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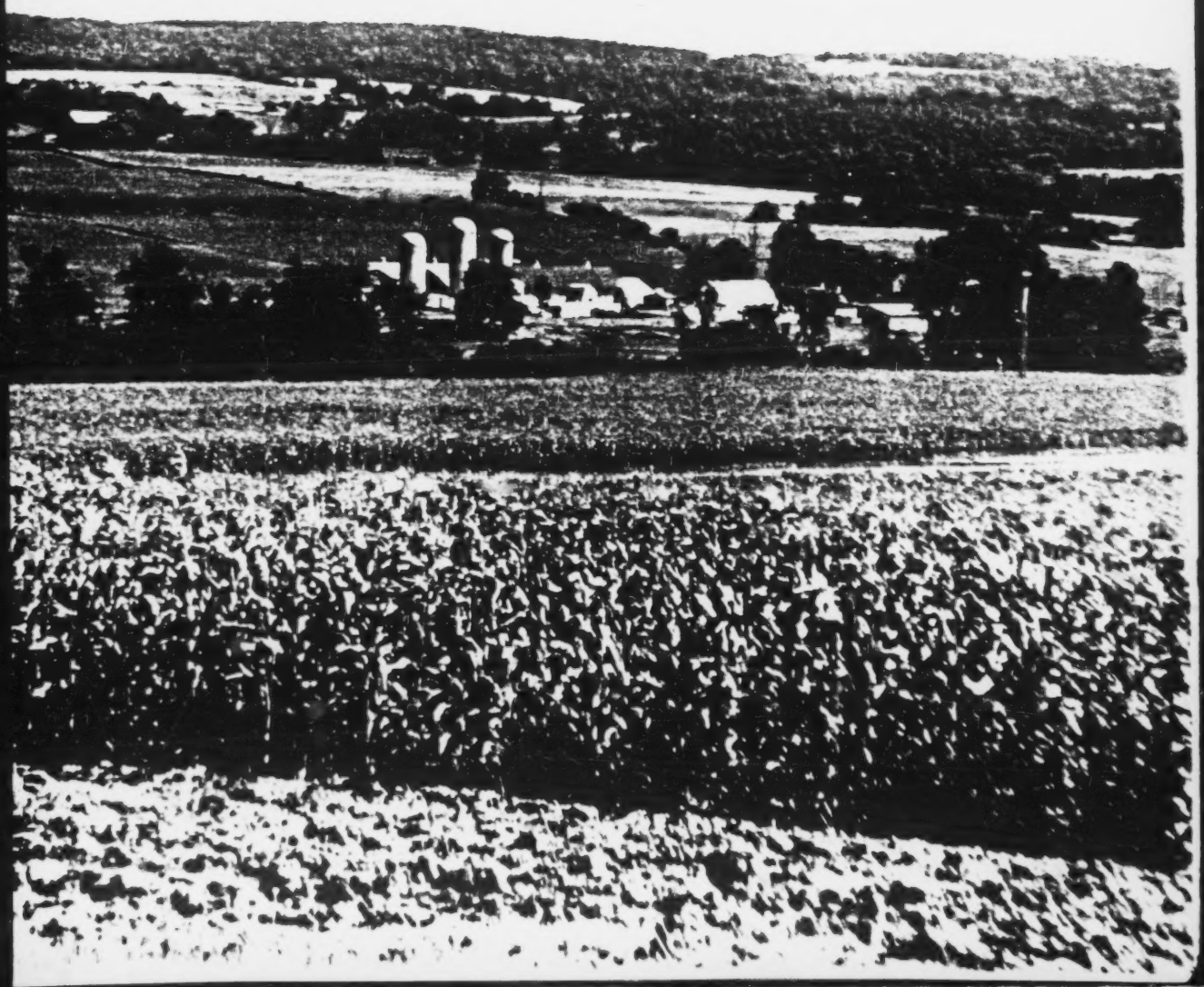
New York

AGRICULTURAL STATISTICS

1990-1991



New York

AGRICULTURAL STATISTICS 1990-1991

Compiled and Issued by
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Albany, New York 12235

NEW YORK STATE
DEPARTMENT OF AGRICULTURE AND MARKETS
DIVISION OF STATISTICS

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UNITED STATES DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL STATISTICS SERVICE

July 1991

State of New York

Department of Agriculture and Markets

1 Winners Circle - Capital Plaza • Albany, New York 12235 • (518) 457-4188

MARIO M. CUOMO
Governor

RICHARD T. McGUIRE
Commissioner

July 1, 1991

New York's agricultural industry continues to be a major contributor to the state's economy. The contributions made by New York farmers to the state's economy is in the information in this publication.

The New York Department of Agriculture and Markets staff, agricultural organizations, agribusiness groups and farmers see the information as essential for making effective decisions. This publication provides an annual compilation of the surveys and reports issued throughout the year through a cooperative effort between the New York State Department of Agriculture and Markets and the United States Department of Agriculture, National Agricultural Statistics Service.

I want to take this opportunity to give a special thank you to the many New York farm families and agri-businesses for their continued support and assistance in supplying the data to make this book possible.

Richard T. McGuire
Commissioner

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U.S.D.A., National Agricultural Statistics Service | N.Y. Dept. of Agriculture and Markets, Division of Statistics

July 1, 1991

New York agriculture makes up a major part of the overall state's economy and also makes a great contribution to the quality of life for all our people. The information presented in this publication is a comprehensive record of the agricultural production, value and many other related statistics that will be used by the many data users. 1990 was generally a good year. Value of production of all crops was up four percent. Feed grain production was the highest since 1987. Value of production of field crops in1990 showed a five percent increase from the previous year. Total value of vegetable production was down seven percent from 1989. Value of fruit production was up 19 percent. Cash receipts from the sale of milk during 1990 was up three percent from the previous year. Gross income from livestock in1990 was a seven percent increase from a year earlier.

The data in this publication shows the changes that are taking place that effects New York's agricultural economy. I want to give a special thanks to the many New York farmers and agriculture businesses who provided data so this publication can be made available. We hope that the end result is better profit potential for New York agriculture.

Robert E. Schooley
State Statistician

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ECONOMIC INDICATORS

FARM INCOME

State estimates of farm income are prepared annually by the Economic Research Service, U.S. Department of Agriculture (USDA). These estimates are based on USDA's annual Farm Costs and Returns Survey and a variety of existing independent data such as cash receipts, government program payments, property taxes, number of farms, land in farms, farm land values, and inventory changes. Estimates for 1989, the most recent available, are shown in table 5 on pages 8 and 9. The balance sheet estimates in table 4, page 7 and the farm income estimates in table 5 on page 8 include operator households. The farm income estimates on page 9 exclude operator households.

Table 1. Government Payments to New York Farmers, by Program, 1985-1989

Program	1985	1986	1987	1988	1989
	Million dollars				
Conservation	4.5	3.1	7.2	7.9	8.0
Feed Grains *(Corn)*	17.3	40.1	65.3	58.6	27.9
Wheat	3.5	6.1	7.2	4.4	1.6
Wool	0.3	0.4	0.4	0.3	0.1
Milk Diversion/Dairy Termination	16.8	25.1	19.5	9.0	8.4
Disaster Payments	-	-	-	-	26.0
Miscellaneous	0.7	1.9	9.7	6.6	4.0
All Programs	43.1	76.7	109.3	86.8	76.0

Table 2. Number of Farms and Land in Farms, by Sales Class, 1987-1990

Year	Gross Value of Sales			
	$1,000-9,999	$10,000-99,000	$100,000+	Total
	Thousand Farms			
1987	19.9	14.3	7.8	42.0
1988	19.1	14.0	7.9	41.0
1989	18.7	12.6	7.7	39.0
1990	17.3	12.8	8.4	38.5
	Million Acres			
1987	1.8	3.3	3.6	8.7
1988	1.7	3.1	3.8	8.6
1989	1.7	2.8	3.9	8.4
1990	1.6	2.7	4.1	8.4

NET UP 25 PERCENT IN 1989

While gross farm income in New York rose 11 percent in 1989 to $3.28 billion, net farm income gained 25 percent to $830 million. Production expenses totaled $2.55 billion in 1989 compared with $2.28 billion in 1988.

PROGRAM PAYMENTS STILL SIGNIFICANT

Federal program direct payments to New York farmers declined to $76.0 million in 1989, down 12 percent from 1988 and 30 percent from the peak of $109.3 million in 1987. The 1989 payments were equal to nine percent of net farm income. Direct payments to all U.S. farmers in 1989 totaled $10.9 billion, down from $14.5 billion in 1988. The 1989 payments were equal to 23 percent of net farm income. New York payments averaged $1,950 per farm, about two-fifths of the U.S. average of $5,000 per farm.

The feed grain program generated payments of $27.9 million to New York farmers and disaster program payments accounted for another $26.0 million in 1989.

FARMS BY SALES CLASS

Beginning with 1987, estimates of the number of farms and land in farms for three sales classes are now available for states with 40,000 or more farms. The estimates for New York in the table below indicate that of the 38,500 farms in 1990, only 55 percent (21,200) had gross sales of $10,000 or more, but they operated 81 percent of all land in farms.

FARMS AND FARMLAND UTILIZATION

The number of farms in New York *(places selling $1,000 or more of agricultural products in a year)* was estimated to be 38,500 in 1990, down 1 percent from 1989. Land in farms was unchanged from 1989 at 8.4 million acres but 1.0 million fewer acres than in 1984. Farmland accounts for 28 percent of the State's total land area.

Total cropland stands at 5.4 million acres and accounts for 64 percent of total land operated. Harvested cropland at 3.9 million acres represents 47 percent of total land operated. Field crops such as corn, hay, small grains, potatoes, soybeans and other field crops account for 93 percent of the total cropland harvested. Vegetable crops make up 4 percent and fruit crops 3 percent.

Estimates of farmland utilization are shown in table 3 below. The estimates are based on annual surveys with about 15,000 farms reporting each year. The component estimates balance to "official" USDA estimates of the total land in farms in New York. County estimates for major land use categories for 1989 and 1990 appear on pages 90 and 91.

Table 3. FARMS AND FARMLAND: Number of Farms, Land in Farms and Land Use, 1981-1990

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Number of farms	47,000	48,000	49,000	47,000	44,000	43,000	42,000	41,000	39,000	38,500
Acres per farm	206	198	194	200	207	207	207	210	215	218
					Thousand acres					
Land in Farms	9,700	9,500	9,500	9,400	9,100	8,900	8,700	8,600	8,400	8,400
Cropland, Total	5,920	5,890	5,800	5,770	5,670	5,600	5,560	5,480	5,400	5,360
Cropland harvested, Total	4,608	4,554	4,250	4,389	4,377	4,238	4,010	3,800	3,940	3,910
Field Crops harvested	4,330	4,276	3,976	4,112	4,096	3,980	3,746	3,542	3,680	3,647
Vegetable Crops harvested	160	161	158	162	167	146	153	148	150	151
Fruit Crops harvested	118	117	116	115	114	112	111	110	110	112
Cropland Pasture	918	936	945	926	860	800	850	850	780	780
Other Cropland	394	400	605	455	433	562	700	830	680	670
Permanent Pasture 1/	845	807	853	836	830	790	690	720	710	730
Woodland 2/	2,140	2,043	2,043	2,014	1,880	1,840	1,810	1,770	1,670	1,690
Other Land 3/	795	760	804	780	720	670	640	630	620	620

1/ Excludes cropland and woodland pasture.
2/ Includes woodland pasture.
3/ Includes house lots, ponds, roads,

Figure 1. FARM BALANCE SHEET New York, December 31, 1980-1989

FARM DEBT-TO-ASSET RATIO SECOND LOWEST SINCE 1983

The debt-to-asset ratio for New York farms at the end of 1989 was 15.7 percent, up from 14.9 in 1988 but the second lowest since the peak of 25.7 in 1983.

On December 31, 1989 the value of farm assets in New York, including operator households, totaled an estimated $15.1 billion. Proprietors' equity amounted to $12.7 billion after accounting for total farm debt of $2.36 billion. With 39,000 farms in 1989 this translates into per farm averages of $386,400 in assets, $325,800 in proprietors equity and $60,600 of debt.

The Farm Balance Sheet assembles into one statement the major farm asset inventory and liability accounts. These estimates are compiled by the Agriculture and Rural Economy Division, Economic Research Service, U.S. Department of Agriculture.

Table 4. Farm Balance Sheet (Including Operator Households), December 31, 1980-1989 1/

Item	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
					Million dollars					
FARM ASSETS:	12,333	12,958	13,032	13,231	13,416	13,173	14,013	14,471	15,096	15,070
Real estate	7,266	7,964	7,761	8,060	7,710	7,671	8,541	8,639	9,052	8,753
Livestock and poultry	1,526	1,395	1,310	1,091	1,104	983	987	1,114	1,151	1,291
Machinery and motor vehicles	1,861	2,012	2,107	2,188	2,140	1,997	1,957	1,926	1,919	1,902
Crops 2/	561	383	560	498	514	491	384	431	450	455
Purchased inputs 3/					53	26	41	55	71	64
Household equipment and furnishings	313	370	415	453	908	1,042	1,072	1,229	1,382	1,545
Investments in cooperatives	426	450	470	500	521	493	480	495	472	493
Other financial	378	385	410	441	464	471	551	583	600	568
FARM DEBT:	2,892	2,907	3,157	3,401	3,000	2,786	2,636	2,423	2,248	2,363
Real estate 4/	1,217	1,304	1,350	1,360	1,290	1,225	1,102	1,045	1,014	1,117
Nonreal estate 5/	1,675	1,603	1,807	2,041	1,710	1,561	1,534	1,377	1,234	1,247
EQUITY	9,441	10,051	9,875	9,830	10,416	10,387	11,377	12,048	12,848	12,707
					Ratio					
Equity/assets	76.6	77.6	75.8	74.3	77.6	78.8	81.2	83.3	85.1	84.3
Debt/equity	30.6	28.9	32.0	34.6	28.8	26.8	23.2	20.1	17.5	18.6
Debt/assets	23.4	22.4	24.2	25.7	22.4	21.2	18.8	16.7	14.9	15.7

Source: Economic Research Service, U.S. Department of Agriculture.
1/ May not add due to rounding.
2/ All crops held on farms including value above loan rates for crops held under CCC.
3/ Data not available prior to 1984.
4/ Includes CCC storage and drying facility loans.
5/ Includes debt owed to both institutional and noninstitutional lenders.

Table 5. Farm Income Indicators, 1980-1989

Item	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
	Million dollars									
Gross farm income 1/	2,806.4	3,065.2	2,988.4	2,949.3	3,095.5	2,928.9	2,908.5	2,976.5	2,946.7	3,284.1
Cash income	2,533.5	2,735.0	2,655.1	2,704.6	2,788.4	2,704.6	2,718.1	2,786.0	2,816.0	3,000.5
Farm marketings	2,480.2	2,675.4	2,585.7	2,612.4	2,663.4	2,592.0	2,581.8	2,616.3	2,668.1	2,856.7
Crops	703.6	802.3	731.1	686.8	741.6	738.8	780.9	823.5	865.5	911.1
Livestock & products	1,776.5	1,873.2	1,854.5	1,925.6	1,921.8	1,853.2	1,800.9	1,792.8	1,802.6	1,945.5
Government payments	5.8	6.9	13.8	39.0	63.7	43.1	76.7	109.3	86.8	76.0
Other farm income	47.5	52.7	55.7	53.2	61.3	69.5	59.5	60.4	61.0	67.8
Machine hire/customwork	8.4	9.2	8.7	6.0	7.1	9.6	6.1	9.2	8.2	9.6
Other farm-related income 2/	39.0	43.5	47.0	47.2	54.2	59.8	53.4	51.2	52.9	58.2
Noncash income	221.9	241.5	269.7	280.5	312.1	288.4	246.8	268.0	270.8	265.0
Value of home consumption	30.3	29.3	27.6	28.1	26.0	22.8	21.0	20.1	19.8	19.5
Rental value of dwellings	191.6	212.2	242.1	252.5	286.1	265.6	225.8	247.8	251.0	245.5
Operators' dwellings	186.7	207.3	237.0	247.5	274.9	255.6	216.8	238.9	242.0	237.3
Hired laborers' dwellings	4.9	4.8	5.0	5.0	11.2	10.0	9.0	9.0	9.0	8.2
Value of inventory adjustment	51.0	88.7	63.6	-35.8	-5.0	-64.1	-56.3	-77.5	-140.1	18.7
Total production expenses 1/	2,461.9	2,664.0	2,602.3	2,675.5	2,687.8	2,407.3	2,323.7	2,288.4	2,282.3	2,554.4
Intermediate product expenses	1,376.2	1,441.8	1,298.4	1,424.7	1,481.3	1,297.8	1,279.4	1,263.9	1,239.8	1,375.0
Farm origin	600.8	627.3	515.7	559.1	544.7	475.8	479.0	456.9	466.5	524.0
Feed	519.0	546.0	444.5	497.7	470.3	406.7	409.5	384.7	394.0	441.8
Livestock	19.7	17.6	14.3	13.5	14.4	13.9	13.7	15.5	15.6	17.1
Seed	62.1	63.8	56.9	48.0	60.0	55.1	55.8	56.7	56.9	65.0
Manufactured inputs	377.2	396.5	376.8	343.1	381.7	339.4	305.3	306.7	312.1	343.5
Fertilizer and lime	138.5	132.6	123.5	106.1	129.4	112.2	100.8	94.4	99.2	110.6
Pesticides	48.1	56.1	56.1	50.9	61.9	57.4	57.5	60.2	59.2	76.3
Fuel and oil	149.8	160.1	140.5	130.1	131.1	115.0	93.7	87.0	86.2	93.1
Electricity	40.9	47.7	56.7	56.0	59.2	54.9	53.4	65.2	67.4	63.5
Other	398.2	418.0	405.9	522.5	554.9	482.6	495.1	500.2	461.2	507.5
Repair and operation	156.8	156.1	146.0	153.6	162.8	158.0	155.8	164.5	163.7	177.3
Other misc. 3/	241.4	261.9	259.8	368.9	392.2	324.6	339.3	335.7	297.6	330.3
Interest	268.4	342.4	372.6	330.7	323.4	276.3	252.9	242.6	228.9	232.4
Real estate	88.1	99.3	115.4	128.1	126.7	103.6	95.8	87.8	91.6	97.2
Nonreal estate	180.3	243.1	257.3	202.6	196.7	172.7	157.1	154.8	137.3	135.1
Contract & hired labor expenses	246.5	240.9	274.2	264.2	262.5	265.2	267.0	291.5	301.7	319.4
Cash labor expenses 4/	227.5	222.8	258.8	249.2	246.6	250.9	254.8	276.8	287.5	306.4
Perquisites	18.9	18.2	15.4	14.9	15.8	14.3	12.2	14.7	14.2	13.0
Net rent to nonoperator landlords 5/	-2.2	-3.6	-12.7	-21.3	-7.8	-10.9	-8.5	-19.9	-1.3	-2.6
Capital consumption	454.9	506.5	532.7	538.0	494.5	446.2	400.5	378.4	378.0	389.5
Property taxes	118.1	135.9	137.0	139.1	133.9	132.6	132.4	132.0	135.2	140.8
NET FARM INCOME	344.5	401.3	386.1	273.9	407.8	521.6	584.8	688.0	664.4	829.7

Table 5. Farm Income Indicators, 1980-1989 *(Continued)*

Item	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
	Million dollars									
Cash income 6/	2,533.5	2,735.0	2,655.1	2,704.6	2,788.4	2,704.6	2,718.1	2,786.0	2,816.0	3,000.5
Cash expenses 6/	1,937.4	2,085.4	1,997.5	2,060.1	2,091.7	1,861.7	1,838.9	1,814.9	1,804.6	1,977.2
Intermediate product expenses	1,356.9	1,423.3	1,275.7	1,400.5	1,443.3	1,258.1	1,245.6	1,225.1	1,199.3	1,341.8
Interest	255.0	327.4	357.2	314.5	295.2	250.4	233.9	220.2	203.7	211.5
Cash labor expenses 4/	227.5	222.8	258.8	249.2	246.6	250.9	254.8	276.8	287.5	306.4
Net rent to nonoperator landlords 5/	-2.2	-3.6	-12.7	-21.3	-7.8	-10.9	-8.5	-19.9	-1.3	-2.6
Property taxes	100.2	115.5	118.5	117.2	114.3	113.2	113.0	112.7	115.4	120.2
NET CASH INCOME	596.1	649.7	657.6	644.5	696.7	842.9	879.2	971.1	1,011.4	1,023.2
Cash income	2,533.5	2,735.0	2,655.1	2,704.6	2,788.4	2,704.6	2,718.1	2,786.0	2,816.0	3,000.5
Cash expenses	1,937.4	2,085.4	1,997.5	2,060.1	2,091.7	1,861.7	1,838.9	1,814.9	1,804.6	1,907.2
Capital consumption	394.1	440.1	458.5	465.6	423.2	364.8	331.5	303.4	301.6	312.5
NET BUSINESS INCOME 7/	202.0	209.6	199.1	178.8	273.5	478.0	547.7	667.7	709.7	710.7
Gross receipts of farms 8/	2,619.7	2,857.9	2,751.4	2,701.9	2,820.6	2,673.3	2,691.7	2,737.6	2,704.8	3,046.8
Nonfactor payments 6/	1,851.2	1,978.8	1,852.7	1,983.3	1,980.7	1,736.1	1,690.1	1,641.2	1,616.4	1,774.5
Intermediate product expenses	1,356.9	1,423.3	1,275.7	1,400.5	1,443.3	1,258.1	1,245.6	1,225.1	1,199.3	1,341.8
Capital consumption	394.1	440.1	458.5	465.6	423.2	364.8	331.5	303.4	301.6	312.5
Property taxes	100.2	115.5	118.5	117.2	114.3	113.2	113.0	112.7	115.4	120.2
Factor payments 6/	768.5	879.0	898.7	718.5	839.9	937.2	1,001.6	1,096.4	1,088.4	1,272.3
Interest	255.0	327.4	357.2	314.5	295.2	250.4	233.9	220.2	203.7	211.5
Contract and hired labor expenses	246.5	240.9	274.2	264.2	262.5	265.2	267.0	291.5	301.7	319.4
Net rent to nonoperator landlords 5/	-2.2	-3.6	-12.7	-21.3	-7.8	-10.9	-8.5	-19.9	-1.3	-2.6
RETURNS TO OPERATORS 9/	269.3	314.3	279.9	161.1	289.9	432.5	509.2	604.6	584.3	744.0
Off-farm income 10/	602.2	625.3	640.2	654.6	697.1	987.4	982.4	1,030.2	1,051.9	1,048.1

Source: Economic Research Service, U.S. Department of Agriculture.

1/ Includes operator dwellings.
2/ Includes forest product sales, recreational income, and other farm business-related income Estimates for 1982 and later include income from custom feeding services.
3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses.
4/ Includes contract labor expenses, hired labor wages, and Social Security payments.
5/ Uses different data sources for periods 1979-83, and 1984 and later. Estimates are not directly compatible among periods.
6/ Excludes operator dwellings.
7/ Cash income less cash expenses and capital consumption
8/ Gross farm income less rental value of operators' dwellings.
9/ Gross receipts of farms less nonfactor payments, interest, wages to contract and hired labor, and net rent to nonoperator landlords.
10/ Includes off-farm income for members of farm operators' family.

CASH RECEIPTS IN 1989

Receipts from the sale of all New York farm products in 1989 totaled $2.86 billion, up seven percent from calendar year 1988.

Receipts for livestock and poultry products, at $1.95 billion, were up eight percent and accounted for 68 percent of the total for all commodities. Sharply higher prices for milk and eggs accounted for most of the increase in livestock and poultry product receipts.

Receipts for all crops in 1989 totaled $911 million, up five percent from 1988. Higher cash receipts were recorded for wheat, dry beans, cabbage, green beans, sweet corn, apples and greenhouse and nursery products. Partially offsetting were declines in cattle, corn, hay, and onions.

Table 6. CASH RECEIPTS: Farm Marketings by Commodities, 1980-1989

	1980	1981	1982	1983	1984	
			----- Thousand dollars -----			% of Total
LIVESTOCK AND PRODUCTS	1,776,547	1,873,165	1,854,532	1,925,604	1,921,791	72.2
Dairy products	1,404,002	1,502,097	1,494,044	1,565,968	1,518,069	57.0
Cattle and calves	177,116	151,439	143,058	150,151	163,810	6.2
Eggs	73,941	87,224	85,470	82,896	100,890	3.8
Hogs	12,716	18,104	22,265	16,563	17,749	.7
Ducks	12,960	12,188	13,275	14,130	14,112	.5
Turkeys	2,274	2,172	2,580	2,732	2,779	.1
Sheep and wool	2,020	2,296	1,609	1,888	2,096	.1
Broilers	756	717	686	778	1,032	-
Chickens, excluding broiler	1,961	2,339	2,134	2,341	3,649	.1
Other livestock and poultry	88,801	95,306	89,411	88,157	97,605	3.7
FIELD CROPS	230,262	280,694	232,853	216,262	204,291	7.7
Corn	88,685	103,157	100,401	67,511	52,219	2.0
Potatoes	55,550	77,764	52,966	64,825	62,347	2.3
Hay	31,846	38,706	35,988	38,886	42,508	1.6
Wheat	19,349	23,513	17,765	23,975	23,790	.9
Oats	12,406	13,234	10,915	6,400	8,101	.3
Dry beans	16,092	18,092	8,315	6,240	6,771	.3
Soybeans	3,180	3,206	2,893	3,694	3,205	.1
Other field and seed crops	3,154	3,022	3,610	4,731	5,350	.2
VEGETABLE CROPS	176,174	217,634	205,855	190,778	231,717	8.7
Onions	47,905	68,534	57,529	42,957	53,590	2.0
Cabbage	16,600	21,294	24,334	27,323	49,109	1.8
Sweet corn	20,964	24,898	27,683	28,590	33,891	1.3
Green beans	26,475	25,116	25,086	24,986	22,381	.8
Tomatoes 1/	11,898	11,837	11,718	7,296	9,306	.3
Lettuce	10,853	13,412	11,172	12,090	11,997	.4
Cauliflower	6,476	10,782	8,729	9,971	11,677	.4
Cucumbers 1/	3,661	5,723	4,735	4,784	4,469	.2
Carrots	3,123	3,747	4,555	3,761	3,305	.1
Green peas	2,802	4,098	4,279	3,933	4,542	.2
Celery	2,814	4,171	3,640	4,126	3,090	.1
Beets	2,807	2,519	2,667	1,501	1,579	.1
Other vegetables	19,796	21,503	19,728	19,460	22,781	.9
FRUIT CROPS	162,106	164,782	163,651	136,486	134,677	5.1
Apples	99,826	111,479	106,404	70,675	75,898	2.8
Grapes	39,337	37,158	36,699	36,449	33,843	1.3
Strawberries	5,921	5,067	6,638	6,251	8,369	.3
Cherries	7,847	3,758	5,020	12,250	6,873	.3
Pears	4,400	3,684	3,783	5,100	4,568	.2
Peaches	2,985	2,053	3,351	3,874	3,011	.1
Other fruit and berries	1,790	1,583	1,756	1,887	2,115	.1
ALL OTHER CROPS	135,314	139,174	128,772	143,283	170,931	6.4
Greenhouse and nursery	125,477	128,300	119,300	137,200	163,400	6.1
Maple	3,397	5,486	5,536	3,995	5,611	.2
Mushrooms	6,440	5,388	3,936	2,088	1,920	.1
ALL CROPS	703,856	802,284	731,131	686,809	741,616	27.8
ALL COMMODITIES	2,480,403	2,675,449	2,585,663	2,612,413	2,663,407	100.0

CASH RECEIPTS IN 1990 EXPECTED TO BE UP 3 PERCENT

Receipts from the sale of all New York farm products in 1990 are expected to total about $2.95 billion, up 3 percent from 1989. Receipts for livestock and poultry products are expected to be up 3 percent in 1990 but down sharply in 1991 from lower milk prices. Crop receipts are also expected to be up 3 percent in 1990. Detailed 1990 estimates for individual commodities, will be released in the fall of 1991 after marketing year data become available.

Table 6. CASH RECEIPTS: Farm Marketings by Commodities, New York, 1980-1989 *(Continued)*

	1985	1986	1987	1988	1989	
			------- Thousand dollars -------			% of Total
LIVESTOCK AND PRODUCTS	1,853,192	1,800,912	1,792,764	1,802,633	1,945,518	68.1
Dairy products	1,477,708	1,453,870	1,428,748	1,417,870	1,555,741	54.5
Cattle and calves	155,652	143,855	171,749	197,847	183,511	6.4
Eggs	79,515	74,881	45,994	39,676	57,048	2.0
Hogs	14,667	14,508	19,863	16,192	16,895	.6
Ducks	13,770	13,668	10,764	8,904	8,586	.3
Turkeys	2,817	2,778	3,387	2,361	3,440	.1
Sheep and wool	2,162	1,831	2,144	2,675	2,802	.1
Broilers	2,426	3,240	2,835	3,825	5,465	.2
Chickens, excluding broilers	3,023	1,906	1,800	889	1,598	.1
Other livestock and poultry	101,452	90,375	105,480	112,394	110,432	3.9
FIELD CROPS	217,989	227,039	211,031	259,931	236,792	8.3
Corn for grain	92,470	70,925	49,671	75,037	59,832	2.1
Potatoes	47,777	53,791	48,239	57,452	56,410	2.0
Hay	32,109	65,348	81,243	86,876	75,420	2.6
Wheat	24,211	16,626	9,932	15,441	20,463	.7
Oats	7,052	4,688	5,351	7,572	5,136	.2
Dry beans	7,663	8,347	8,360	7,223	11,259	.4
Soybeans	2,383	3,351	5,632	7,468	5,323	.2
Other field and seed crops	4,324	3,963	2,603	2,862	2,949	.1
VEGETABLE CROPS	195,088	214,067	231,314	222,077	242,730	8.5
Onions	41,932	54,906	60,492	52,233	40,118	1.4
Cabbage	24,925	33,804	33,524	32,294	37,432	1.3
Sweet corn	27,339	31,653	32,783	30,117	36,695	1.3
Green beans	22,963	16,604	17,328	17,540	31,678	1.1
Tomatoes 1/	10,662	8,551	11,316	17,434	16,023	.6
Lettuce	9,412	8,432	10,132	6,833	7,134	.2
Cauliflower	9,369	10,108	8,299	8,506	9,511	.3
Cucumbers 1/	5,851	4,993	5,995	6,105	6,527	.2
Carrots	5,247	7,266	5,555	4,030	6,674	.2
Green peas	8,564	4,524	4,239	3,376	4,834	.2
Celery	2,841	3,146	3,558	3,629	3,165	.1
Beets	1,683	1,442	1,679	1,580	1,767	.1
Other vegetables	24,300	28,638	36,414	38,400	41,172	1.4
FRUIT CROPS	138,153	127,469	145,169	141,822	160,698	5.6
Apples	93,393	70,846	82,310	79,603	96,225	3.4
Grapes	21,156	35,612	40,542	36,133	38,584	1.4
Strawberries	7,493	7,626	9,104	8,772	8,772	.3
Cherries	6,769	3,843	3,367	5,877	5,759	.2
Pears	3,870	3,773	3,885	4,061	3,631	.1
Peaches	3,252	3,308	2,971	3,726	3,622	.1
Other fruit and berries	2,220	2,461	2,990	3,650	4,105	.1
ALL OTHER CROPS	187,550	212,353	235,991	241,669	270,912	9.5
Greenhouse and nursery	180,464	205,691	229,311	232,656	261,610	9.2
Maple	5,387	5,135	5,243	7,285	7,085	.2
Mushrooms	1,699	1,527	1,437	1,728	2,217	.1
ALL CROPS	738,780	780,928	823,505	865,499	911,132	31.9
ALL COMMODITIES	2,591,972	2,581,840	2,616,269	2,668,132	2,856,650	100.0

1/ Fresh only. Processing included with other vegetables.

Table 7. NEW YORK'S RANK IN THE NATION'S AGRICULTURE - 1990

Item	1st	2nd	3rd	4th	5th	N.Y. Rank
FIELD CROPS						
Corn for silage	Wis.	**N.Y.**	Pa.	Minn.	Cal.	2
Corn for grain	Iowa	Ill.	Nebr.	Minn.	Ind.	17
Oats	S. Dak.	Minn.	Wis.	Iowa	N. Dak.	12
Winter wheat	Kansas	Okla.	Wash.	Texas	Ill.	30
Potatoes	Idaho	Wash.	Colo.	Wis.	Ore.	12
Dry beans	Mich.	N. Dak.	Nebr.	Colo.	Idaho	10
Alfalfa hay	Wis.	Calif.	Iowa	Minn.	Mich.	16
Other hay	Texas	Mo.	Ky.	Kansas	Tenn.	11
All hay	Wis.	Calif.	Texas	Nebr.	Iowa	15
FRUIT						
Apples	Wash.	**N.Y.**	Mich.	Calif.	Pa.	2
Cherries, sweet	Wash.	Ore.	Calif.	Mich.	Idaho	7
Cherries, tart	Mich.	**N.Y.**	Utah	Ore.	Wis.	2
Peaches	Calif.	Ga.	S.C.	Pa.	Wash.	12
Pears	Wash.	Calif.	Ore.	**N.Y.**	Pa.	4
Grapes	Calif.	Wash.	**N.Y.**	Pa.	Mich.	3
VEGETABLES, FRESH MARKET						
Carrots	Calif.	Wash.	Mich.	Wis.	Texas	9
Cauliflower	Calif.	Ariz.	Ore.	**N.Y.**	Mich.	4
Celery	Calif.	Fla.	Mich.	Texas	**N.Y.**	5
Lettuce	Calif.	Ariz.	Fla.	Colo.	**N.Y.**	5
Onions	Calif.	Ore.	Colo.	**N.Y.**	Idaho	4
Strawberries	Calif.	Fla.	Ore.	**N.Y.**	Mich.	4
Sweet corn	Fla.	**N.Y.**	Calif.	Ohio	Pa.	2
Tomatoes	Fla.	Calif.	Va.	S.C.	Ga.	9
VEGETABLES, PROCESSING						
Green peas	Wis.	Minn.	Wash.	Ore.	**N.Y.**	5
Green beans	Wis.	Ore.	Mich.	**N.Y.**	Ill.	4
Sweet corn	Wis.	Minn.	Wash.	Ore.	Ill.	7
Tomatoes	Calif.	Ohio	Ind.	Mich.	N.J.	6
LIVESTOCK PRODUCTS						
Milk production	Wis.	Calif.	**N.Y.**	Minn.	Pa.	3
Cattle and calves 1/	Texas	Nebr.	Kansas	Colo.	Iowa	34
Egg production	Calif.	Ind.	Pa.	Ohio	Ga.	21
Chickens *(excluding broilers)* 1/	N.C.	Ark.	Calif.	Ga.	Pa.	20
Hogs and pigs 1/	Iowa	Ill.	Minn.	Ind.	Nebr.	30
Sheep and lambs 1/	Texas	Colo.	Calif.	Wyo.	S. Dak.	29
DAIRY PRODUCTS						
Total American cheese	Wis.	Minn.	Calif.	Iowa	Idaho	6
Total Italian cheese	Wis.	Calif.	**N.Y.**	Pa.	S. Dak.	3
Total Cheese, excluding Cottage	Wis.	Calif.	Minn.	**N.Y.**	Iowa	4
Creamed Cottage cheese	**N.Y.**	Ill.	Calif.	Ohio	Wis.	1
Lowfat Cottage cheese	**N.Y.**	Calif.	Pa.	Ohio	Wis.	1
Butter	Wis.	Calif.	Minn.	Pa.	Ohio	6
Unsweetened condensed skim milk	Calif.	Ohio	**N.Y.**	Mich.	Wis.	3
Ice cream	Calif.	Pa.	Texas	**N.Y.**	Ohio	4
Ice milk	Calif.	Ill.	Pa.	Texas	Ohio	7
Water ices	Mo.	Ohio	**N.Y.**	Wis.	Texas	3
GENERAL CHARACTERISTICS						
Number of farms	Texas	Mo.	Iowa	Ky.	Tenn.	24
Land in farms	Texas	Mont.	Kansas	Nebr.	N. Mex.	36
Total cash farm receipts	Calif.	Texas	Iowa	Nebr.	Ill.	23

1/ Pounds sold.

Table 8. NEW YORK HIGHS AND LOWS

Item	Unit	Record High		Record Low		Year Record Started
		Quantity	Year	Quantity	Year	
FIELD CORN						
All Harvested	Acres	1,440,000	1981	560,000	1930	1366
Grain Harvested	Acres	830,000	1981	97,000	1928	1919
Grain Production	Bushels	77,190,000	1981	3,298,000	1928	1919
Silage Harvested	Acres	682,000	1978	300,000	1919	1919
Silage Production	Tons	9,207,000	1978	2,754,000	1925	1919
OATS						
Grain Harvested	Acres	1,430,000	1896	135,000	1990	1866
Grain Production	Bushels	54,800,000	1902	7,540,000	1988	1866
WHEAT						
Grain Harvested	Acres	790,000	1880	75,000	1978	1866
Grain Production	Bushels	15,200,000	1878	2,625,000	1978	1866
HAY (Dry)						
All Harvested	Acres	5,067,000	1924	1,980,000	1990	1924
All Production	Tons	6,914,000	1916	4,032,000	1934	1914
Alfalfa Harvested	Acres	1,324,000	1966	185,000	1928	1924
Alfalfa Production	Tons	3,111,000	1966	357,000	1926	1924
POTATOES						
Harvested	Acres	435,000	1904	28,500	1990	1866
Production	Cwt.	29,077,000	1909	6,628,000	1989	1866
DRY BEANS						
Harvested	Acres	250,000	1917	25,000	1988	1909
Production	Cwt.	2,070,000	1948	255,000	1983	1909
ONIONS						
Harvested	Acres	16,400	1965	5,830	1928	1918
Production	Cwt.	5,412,000	1965	729,000	1928	1918
SWEET CORN						
Harvested	Acres	58,100	1985	49,800	1988	1929
Production	Cwt.	5,955,000	1987	897,000	1933	1929
APPLES						
Production	Bushels	54,178,000	1896	2,160,000	1945	1889
GRAPES						
Production	Tons	198,000	1984	29,300	1918	1909
MAPLE SYRUP	Gallons	1,304,000	1918	225,000	1973	1916
CATTLE						
All Cattle and Calves	Head	2,596,000	1879	1,525,000	1989	1867
Beef Cows	Head	130,000	1976	5,000	1936	1920
Milk Cows	Head	1,540,000	1905	775,000	1991	1867
Milk Production	Mil. Lbs.	11,732	1985	6,874	1935	1924
OTHER LIVESTOCK						
All Hogs and Pigs	Head	840,000	1897	68,000	1966	1867
All Stock Sheep and Lambs	Head	4,090,000	1867	55,000	1986	1867
POULTRY						
Hens and Pullets of Laying Age	Head	17,475,000	1944	3,700,000	1990	1924
Egg Production	Millions	2,414	1944	975	1990	1924
Broilers Produced	Head	14,618,000	1956	500,000	1977	1934
Turkeys Raised	Head	1,059,000	1954	138,000	1977	1929

Table 9. CROP SUMMARY: Field Crops, Vegetables, Fruits and Other Crops, 1990

Crop	Acres harvested	Yield per acre	Unit of production	Total production	Price per unit	Value of production
	Acres			1,000	Dollars	1,000 dollars
ALL CROPS 1/	3,822,660					1,179,053
FIELD CROPS 1/	3,577,000					810,863
Wheat	145,000	49.0	bu.	7,105	2.65	18,828
Oats	135,000	61.0	bu.	8,235	1.40	11,529
Rye	10,000	26.0	bu.	260	2.55	663
Soybeans	39,000	35.0	bu.	1,365	5.50	7,508
Corn for grain	620,000	98.0	bu.	60,760	2.65	161,014
Corn for silage	580,000	15.0	ton	8,700	24.90	216,630
Alfalfa hay	860,000	2.55	ton	2,193	85.50	187,502
Other hay	1,120,000	1.95	ton	2,184	64.00	139,776
Potatoes	28,500	277	cwt.	7,890	7.14	56,325
Dry beans	39,500	17.0	cwt.	672	16.50	11,088
VEGETABLES 1/	136,260					209,062
Beets, processing	2,200	16.67	ton	36,674	60.50	2,219
Cabbage, fresh	9,200	430	cwt.	5/3,960	8.21	6/27,150
Cabbage, processing	2,000	27.00	ton	54,000	40.80	2,203
Carrots, fresh and proc.	1,200	365	cwt.	438	8.55	3,745
Cauliflower, fresh and proc.	2,600	120	cwt.	312	26.95	8,408
Celery, fresh	360	300	cwt.	108	14.10	1,523
Cucumbers, fresh	3,500	134	cwt.	469	12.10	5,675
Green beans, fresh	4,000	65	cwt.	260	53.20	13,832
Green beans, processing	22,600	3.10	ton	70,060	184.00	12,891
Green peas, processing	10,000	1.76	ton	17,600	292.00	5,139
Lettuce, fresh	2,600	200	cwt.	520	15.60	8,112
Onions, fresh and proc.	12,200	380	cwt.	5/4,636	13.90	6/49,421
Strawberries, fresh and proc.	2,700	63	cwt.	170	83.00	14,110
Sweet corn, fresh	26,500	80	cwt.	2,120	11.50	24,380
Sweet corn, processing	29,700	5.60	ton	166,320	59.70	9,929
Tomatoes, fresh	2,800	160	cwt.	448	36.60	16,397
Tomatoes, processing	2,100	18.95	ton	39,800	98.70	3,928
	Acres of Bearing Age	Pounds Per Acre		In Unit Indicated 7/	Cents/lb.	
FRUIT 1/	109,400					3/152,148
Apples 2/	63,500	15,600	mil. lbs.	990.0	10.2	100,980
Peaches	2,100	6,670	mil. lbs.	13.7	27.6	3,781
Tart cherries	4,700	3,510	mil. lbs.	13.3	3/	8/2,008
					Dollars/ton	
Pears	2,800	10,420	1,000 tons	14.6	253.00	3,687
Sweet cherries	600	3,340	1,000 tons	.70	743.00	520
Grapes	35,700	8,060	1,000 tons	144	286.00	41,172
OTHER CROPS 1/	4/					6,980
Mushrooms	4/	4/	1,000 lb.	1,527	70.7 ¢/lb.	1,079
Maple syrup	4/	4/	1,000 gal.	249	23.70 $/gal.	5,901

1/ Category totals of acres harvested and value of production include only the crops listed and exclude crops for which annual estimates are not available. 2/ Price and value is packinghouse door equivalent. 3/ Tart cherries to be released July 9, 1991. 4/ Not available or applicable. 5/ Quantity sold: cabbage, 3,305,000 cwt.; onions, 3,565,000 cwt. 6/ Value of sales. 7/ Utilized production. 8/ Nominal value based on 1989 price.

CROPS

FIELD CROPS

Fieldwork was hindered by persistent showers at the beginning of April but made good progress toward the end of the month as warm temperatures helped dry fields. Soil moisture at the end of April was rated as mostly adequate to surplus. Oat seeding reached 25 percent finished as the month ended. Corn planting was underway in a few areas. Record-breaking temperatures at the end of the month aided winter grain growth.

Excessive rainfall during May forced fieldwork to fall behind schedule. Soil moisture at the end of the month was rated as surplus to excessive. Wet conditions delayed the hay harvest while cold temperatures slowed vegetable growth. Corn plantings and oat seedings were delayed and fell behind the normal progress. Drying conditions were needed for fieldwork to shift back in high gear.

June brought drier weather and conditions improved during the month. Soil moisture was adequate at the end of the month. First cuttings of alfalfa, clover-timothy and grass silage were well underway during the month. Progress as the month ended was about even with the average. Corn planting was completed and dry bean seeding continued. Some corn stands showed signs of stress due to excessive moisture.

Excellent weather for outside activities prevailed during July. Haying progressed rapidly. The first cutting of alfalfa and the clo-tim harvest was finished by month's end. The second cutting of alfalfa was well underway. Regrowth was very good. The wheat harvest got underway late in the month. Corn was tasseling and in a few areas silking by month's end. Soil moisture remained at adequate levels throughout the month.

Weather conditions were very good for fieldwork early in August, but deteriorated as the month progressed. Harvesting of oats got underway early in the month as did potato digging on Long Island. Wet conditions slowed haying during the last half of the month. The third cutting of alfalfa began about mid-month. At the same time wheat harvesting neared completion. Vegetable harvests were at peak. Rain during the last half of the month pushed soil moisture to adequate to surplus levels.

Fieldwork during September progressed rapidly. Drying conditions put soil moisture at adequate levels during the month. Silage corn harvest got underway early in the month and by month's end grain corn harvest had begun. At mid-month, the oat harvest was finished and the dry bean harvest started. Potato digging moved into high gear, while the onion harvest began to wind down by the end of the month. Winter wheat seeding gained momentum. Apple picking was in full swing and the grape harvest got underway during the month.

October brought rain which delayed outside activities throughout the month. Soil moisture reached surplus to excessive levels by month's end. The third cutting of alfalfa and the dry bean harvest wound down at mid-month. The silage and grain corn harvests were still active at month's end. Apple picking wound down and cider making was at peak. Grape picking was slowed due to the wetness. Freezing temperatures at the end of October ended the 1990 growing season. Cover crops were in very good condition.

Table 10. FIELD CROPS: Acreage, Yield, Production, and Value, 1981-1990

Crop Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value of production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars per bu.	1,000 dollars
WHEAT						
1981	170	160	44.0	7,040	3.20	22,528
1982	145	125	43.5	5,438	3.30	17,945
1983	175	160	46.0	7,360	3.30	24,288
1984	180	170	46.0	7,820	3.25	25,415
1985	155	145	58.0	8,410	2.80	23,548
1986	165	155	49.0	7,595	2.25	17,089
1987	95	85	45.0	3,825	2.60	9,945
1988	95	90	55.0	4,950	3.50	17,325
1989	135	130	45.0	5,850	3.50	20,475
1990	150	145	49.0	7,105	2.65	18,828
OATS						
1981	325	280	64.0	17,920	1.90	34,048
1982	320	280	65.0	18,200	1.57	28,574
1983	260	200	57.0	11,400	1.94	22,116
1984	230	180	59.0	10,620	1.95	20,709
1985	250	200	77.0	15,400	1.09	16,786
1986	210	170	68.0	11,560	1.15	13,294
1987	230	180	60.0	10,800	1.62	17,496
1988	180	145	52.0	7,540	2.18	16,437
1989	180	155	59.0	9,145	1.35	12,346
1990	160	135	61.0	8,235	1.40	11,529
RYE						
1981	100	9.0	32.0	288	4.00	1,152
1982	100	11.0	31.0	341	3.70	1,262
1983	106	13.0	32.0	416	3.00	1,248
1984	105	13.0	33.0	429	2.85	1,223
1985	110	12.0	35.0	420	2.70	1,134
1986	105	13.0	33.0	429	2.20	944
1987	90	10.0	30.0	300	2.50	750
1988	100	12.0	33.0	396	2.35	931
1989	80	15.0	32.0	480	2.55	1,224
1990	60	10.0	26.0	260	2.55	663
BARLEY						
1981 1/						
1982 1/						
1983 1/						
1984 1/						
1985	25	23.0	62.0	1,426	1.50	2,139
1986	33	29.0	55.0	1,595	1.40	2,233
1987	23	19.5	50.0	950	1.30	1,235
1988	19	15.0	49.0	735	2.00	1,470
1989	16	12.0	45.0	540	1.90	1,026
1990	12	9.0	50.0	450	1.95	878
SOYBEANS						
1981	21	20.0	27.0	540	6.45	3,483
1982	23	22.0	26.0	572	5.50	3,146
1983	22	22.0	25.0	550	7.30	4,015
1984	22	21.0	28.0	588	5.45	3,205
1985	20	19.5	26.0	507	4.70	2,383
1986	24	23.0	31.0	713	4.70	3,351
1987	28	26.0	38.0	988	5.70	5,632
1988	35	31.0	33.0	1,023	7.30	7,468
1989	37	34.0	29.0	986	5.40	5,324
1990	40	39.0	35.0	1,365	5.50	7,508

1/ Data not available.

Table 10. FIELD CROPS: Acreage, Yield, Production, and Value, 1981-1990 *(Continued)*

Crop Year	Planted 2/	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value of production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars per bu.	1,000 dollars
CORN FOR GRAIN						
1981	1,460	830	93.0	77,190	2.66	205,325
1982	1,410	765	92.0	70,380	2.95	207,621
1983	1,200	600	90.0	54,000	3.54	191,160
1984	1,350	670	91.0	60,970	2.85	173,765
1985	1,380	720	95.0	68,400	2.45	167,580
1986	1,260	650	99.0	64,350	1.76	113,256
1987	1,150	600	109.0	65,400	2.20	143,880
1988	1,070	540	85.0	45,900	2.83	129,897
1989	1,150	570	93.0	53,010	2.80	148,428
1990	1,210	620	98.0	60,760	2.65	161,014
CORN SILAGE			Tons	1,000 tons	Dollars per ton	
1981	-	600	14.5	8,700	22.00	191,400
1982	-	630	13.5	8,505	22.50	191,363
1983	-	590	13.5	7,965	24.70	196,736
1984	-	665	13.5	8,978	24.60	220,859
1985	-	640	14.0	8,960	22.70	203,392
1986	-	580	14.0	8,120	21.90	177,828
1987	-	530	15.0	7,950	22.70	180,465
1988	-	525	13.0	6,825	24.20	165,165
1989	-	550	13.0	7,150	23.60	168,740
1990	-	580	15.0	8,700	24.90	216,630
ALFALFA HAY						
1981	-	990	2.70	2,673	-	-
1982	-	975	2.70	2,633	-	-
1983	-	930	2.80	2,604	-	-
1984	-	940	2.90	2,726	-	-
1985	-	930	2.80	2,604	-	-
1986	-	925	2.85	2,636	-	-
1987	-	930	2.80	2,604	-	-
1988	-	880	2.70	2,376	-	-
1989	-	840	2.45	2,058	88.00	181,104
1990	-	860	2.55	2,193	85.50	187,502
OTHER HAY						
1981	-	1,300	2.00	2,600	-	-
1982	-	1,325	2.00	2,650	-	-
1983	-	1,340	2.00	2,680	-	-
1984	-	1,320	2.00	2,640	-	-
1985	-	1,300	2.05	2,665	-	-
1986	-	1,320	2.10	2,772	-	-
1987	-	1,230	2.05	2,522	-	-
1988	-	1,190	1.95	2,321	-	-
1989	-	1,240	2.00	2,480	60.50	150,040
1990	-	1,120	1.95	2,184	64.00	139,776
ALL HAY 3/						
1981	-	2,290	2.30	5,273	69.00	363,837
1982	-	2,300	2.30	5,283	77.00	406,791
1983	-	2,270	2.33	5,284	82.00	433,288
1984	-	2,260	2.37	5,366	81.50	437,329
1985	-	2,230	2.36	5,269	75.50	397,810
1986	-	2,245	2.41	5,408	70.50	381,264
1987	-	2,160	2.37	5,126	72.00	369,072
1988	-	2,070	2.27	4,697	75.50	354,624
1989	-	2,080	2.18	4,538	75.50	331,144
1990	-	1,980	2.21	4,377	79.50	327,278

2/ Complete utilization of corn acreage planted is shown on page 22. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres. 3/ All hay price is based on weighted sales, not production.

Table 10. FIELD CROPS: Acreage, Yield, Production, and Value, 1981-1990 *(Continued)*

Crop Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value of production
	1,000 acres	1,000 acres	Lbs.	1,000 cwt.	Dollars per cwt.	1,000 dollars
DRY BEANS 4/						
1981	51	47.0	1,230	578	17.50	10,115
1982	50	49.0	1,400	686	11.50	7,889
1983	26	25.0	1,020	255	24.20	6,171
1984	32	31.0	1,200	372	20.70	7,700
1985	35	33.0	900	297	19.10	5,673
1986	33	31.0	1,400	434	19.50	8,463
1987	29	28.0	1,500	420	15.10	6,342
1988	27	25.0	1,300	325	30.30	9,848
1989	32	31.0	1,450	450	30.60	13,770
1990	41	39.5	1,700	672	16.50	11,088

4/ Production by major varieties is shown on page 20.

Table 11. POTATOES: Acreage, Yield, Production, Disposition, Sales, and Value, 1981-1990

Crop Year	Planted	Harvested	Yield per acre	Production	Used on farms where grown 1/	Sold	Mkting. year wtd. average price	Value	
								Production	Sales
	Acres	Acres	Cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	1,000 Dollars	1,000 Dollars
LONG ISLAND									
1981	18,500	18,500	290	5,365	285	5,080	6.05	32,458	30,734
1982	19,300	19,000	270	5,130	300	4,830	4.20	21,546	20,286
1983	16,500	16,300	250	4,075	130	3,945	8.00	32,600	31,560
1984	13,600	13,500	265	3,577	167	3,410	5.40	19,316	18,414
1985	13,000	12,900	300	3,870	325	3,545	2.90	11,223	10,281
1986	10,500	10,400	285	2,964	172	2,792	7.10	21,044	19,823
1987	9,800	9,700	250	2,425	145	2,280	5.15	12,489	11,742
1988	8,400	8,300	240	1,992	62	1,930	8.10	16,135	15,633
1989	7,500	7,300	260	1,898	48	1,850	8.50	16,797	16,373
1990	6,500	6,500	300	1,950	2/	2/	6.80	13,260	2/
UPSTATE									
1981	26,500	25,000	275	6,875	815	6,060	6.20	42,625	37,572
1982	26,000	25,000	260	6,500	675	5,825	5.45	35,425	31,746
1983	25,500	24,500	230	5,635	605	5,030	7.75	43,671	38,983
1984	26,000	25,500	260	6,630	990	5,640	6.30	41,769	35,532
1985	26,000	25,500	250	6,375	775	5,600	4.45	28,369	24,920
1986	24,000	22,500	235	5,288	448	4,840	7.80	41,246	37,752
1987	26,000	25,000	250	6,250	595	5,655	6.15	38,438	34,778
1988	25,000	24,000	200	4,800	440	4,360	9.35	44,880	40,766
1989	22,500	21,500	220	4,730	335	4,395	8.65	40,915	38,017
STATE TOTAL									
1981	45,000	43,500	281	12,240	1,100	11,140	6.15	75,083	68,306
1982	45,300	44,000	264	11,630	975	10,655	4.90	56,971	52,032
1983	42,000	40,800	238	9,710	735	8,975	7.85	76,271	70,543
1984	39,600	39,000	262	10,207	1,157	9,050	5.95	61,085	53,946
1985	39,000	38,400	267	10,245	1,100	9,145	3.85	39,592	35,201
1986	34,500	32,900	251	8,252	620	7,632	7.55	62,290	57,622
1987	35,800	34,700	250	8,675	740	7,935	5.85	50,927	46,578
1988	33,400	32,300	210	6,792	502	6,290	8.95	61,015	56,399
1989	30,000	28,800	230	6,628	383	6,245	8.70	57,712	54,390
1990	29,000	28,500	277	7,890	2/	2/	7.15	56,325	2/

1/ Includes feed and seed used on farms where produced and shrinkage during storage.
2/ Available September 26, 1991.

Table 12. POTATOES: Stock Held by Growers and Local Dealers, 1981-1990 1/

Crop Year	December 1	January 1	February 1	March 1	April 1
			1,000 cwt.		
LONG ISLAND					
1981	1,860	1,250	750	350	2/
1982	2,600	1,800	1,000	550	280
1983	1,550	1,200	800	450	250
1984	1,550	1,100	700	400	150
1985	2,000	1,450	950	550	200
1986	955	665	405	2/	2/
1987	920	660	375	2/	2/
1988	850	650	450	2/	2/
1989	800	400	200	2/	2/
1990	750	400	150	2/	2/
UPSTATE					
1981	3,900	2,550	1,650	1,100	650
1982	3,800	3,000	2,250	1,700	1,050
1983	3,100	2,600	1,900	1,400	700
1984	3,100	2,700	2,000	1,400	900
1985	3,600	3,000	2,100	1,600	900
1986	2,500	2,000	1,300	750	300
1987	3,500	2,750	2,100	1,500	800
1988	2,800	2,200	1,700	1,100	550
1989	2,300	1,700	1,300	900	500
1990	2,900	2,100	1,500	1,100	400
STATE TOTAL					
1981	5,760	3,800	2,400	1,450	2/
1982	6,400	4,800	3,250	2,300	1,330
1983	4,650	3,800	2,700	1,850	950
1984	4,650	3,800	2,700	1,800	1,050
1985	5,600	4,450	3,050	1,700	1,100
1986	3,455	2,665	1,705	2/	2/
1987	4,420	3,410	2,475	2/	2/
1988	3,650	2,850	2,150	2/	2/
1989	3,100	2,100	1,500	2/	2/
1990	3,650	2,500	1,650	2/	2/

1/ Total stocks consist of production less total disappearance to date. Disappearance includes all sales for all purposes, all potatoes eaten or fed on farms where produced and all losses to date through shrinkage, decay, dumping, etc.
2/ Not published to avoid disclosure of individual operations.

Table 13. DRY BEANS: Acreage, Yield, and Production, by Class, 1981-1990

Crop Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000 acres		Cwt.	1,000 cwt.
RED KIDNEY 1/				
1981	28.0	25.0	11.7	293
1982	36.0	35.5	14.0	497
1983	22.5	21.5	10.0	215
1984	23.0	22.0	11.9	261
1985	23.5	22.6	9.1	205
1986	24.0	23.0	13.5	311
1987	20.5	20.0	14.9	298
1988	18.0	17.0	12.4	211
1989	22.0	21.5	14.8	318
1990 Light	21.0	20.0	16.8	336
Dark	5.5	5.4	16.9	91
BLACK TURTLE SOUP				
1981	20.0	19.5	13.0	254
1982	9.0	8.5	14.0	119
1983	1.5	1.5	12.0	18
1984	6.0	6.0	12.5	75
1985	9.0	8.0	9.0	72
1986	6.5	6.0	16.2	97
1987	6.0	5.7	16.0	91
1988	6.3	5.6	15.0	84
1989	7.1	6.8	14.1	96
1990	10.0	9.8	17.6	172
OTHER CLASSES				
1981	3.0	2.5	12.4	31
1982	5.0	5.0	14.0	70
1983	2.0	2.0	11.0	22
1984	3.0	3.0	12.0	36
1985	2.5	2.4	8.3	20
1986	2.5	2.0	13.0	26
1987	2.5	2.3	13.5	31
1988	2.7	2.4	12.5	30
1989	2.9	2.7	13.3	36
1990	4.5	4.3	17.0	73
ALL CLASSES				
1981	51.0	47.0	12.3	578
1982	50.0	49.0	14.0	686
1983	26.0	25.0	10.2	255
1984	32.0	31.0	12.0	372
1985	35.0	33.0	9.0	297
1986	33.0	31.0	14.0	434
1987	29.0	28.0	15.0	420
1988	27.0	25.0	13.0	325
1989	32.0	31.0	14.5	450
1990	41.0	39.5	17.0	672

1/ Beginning in 1990 Light Red Kidney Beans and Dark Red Kidney Beans are shown separately.

Table 14. DRY BEANS in New York Storages, by Class, 1981-1990

Crop Year	Total production	Stocks following harvest								
		On farms			Com'l storages			Total Stocks		
		Jan. 1	Apr. 1	Sept. 1	Jan. 1	Apr. 1	Sept. 1	Jan. 1	Apr. 1	Sept. 1
		1,000 cwt.								
RED KIDNEY 1/										
1981	293	10	6	-	199	99	22	209	105	22
1982	497	39	25	20	212	104	21	251	129	41
1983	215	25	10	1	99	45	4	124	55	5
1984	261	25	18	2	155	65	14	180	83	16
1985	205	15	5	2	120	48	3	135	53	5
1986	311	25	14	3	130	46	10	155	60	13
1987	298	25	10	2	116	75	11	141	85	13
1988	211	15	10	3	83	38	3	98	48	6
1989	318	25	10	4	120	58	5	145	68	9
1990 Light	336	14	9	2/	152	67	2/	166	76	2/
1990 Dark	91	18	3	2/	3	1	2/	21	4	2/
BLACK TURTLE SOUP										
1981	254	25	18	10	204	127	107	229	145	117
1982	119	30	27	25	128	123	100	158	150	125
1983	18	8	7	4	102	63	35	110	70	39
1984	75	20	8	5	70	40	20	90	48	25
1985	72	4	3	3	42	18	2	46	21	5
1986	97	14	10	1	40	27	5	54	37	6
1987	91	3	2	1	58	45	11	61	47	12
1988	84	6	3	1	45	20	1	51	23	2
1989	96	5	3	3	28	16	1	33	19	4
1990	172	11	3	2/	51	22	2/	62	25	2/
OTHER CLASSES										
1981	31	-	-	-	19	4	1	19	4	1
1982	70	1	1	-	27	12	2	28	13	2
1983	22	2	-	-	19	7	1	21	7	1
1984	36	2	-	-	13	2	1	15	2	1
1985	20	1	-	-	13	5	-	14	5	-
1986	26	1	-	-	15	8	-	16	8	-
1987	31	1	1	-	21	15	3	22	16	3
1988	30	1	1	1	18	9	1	19	10	2
1989	36	2	1	1	14	2	1	16	3	2
1990	73	9	1	2/	17	12	2/	26	13	2/
ALL CLASSES										
1981	578	35	24	10	422	230	130	457	254	140
1982	686	70	53	45	367	239	123	437	292	168
1983	255	35	17	5	220	115	40	255	132	45
1984	372	47	26	7	238	107	35	285	133	42
1985	297	20	8	5	175	71	5	195	79	10
1986	434	40	24	4	185	81	15	225	105	19
1987	420	29	13	3	195	135	25	224	148	28
1988	325	22	14	5	146	67	5	168	81	10
1989	450	32	14	8	162	76	7	194	90	15
1990	672	52	16	2/	223	102	2/	275	118	2/

1/ Beginning in 1990 Light Red Kidney Beans and Dark Red Kidney Beans are shown separately.
2/ Available September 1991.

Table 15. CORN: Acreage Utilization, 1981-1990

Crop Year	Total acres planted	Acres harvested for					
		All Grain	Dry Shelled	High Moisture Shelled	High Moisture Ground Ear	Silage	Forage and Abandoned
	1,000 acres						
1981	1,460	830	565	200	65	600	30
1982	1,410	765	520	170	75	630	20
1983	1,200	600	366	156	78	590	10
1984	1,350	670	405	175	90	665	15
1985	1,380	720	455	175	90	640	20
1986	1,260	650	405	175	70	580	30
1987	1,150	600	370	160	70	530	20
1988	1,070	540	325	155	60	525	5
1989	1,150	570	350	160	60	550	30
1990	1,210	620	380	180	60	580	10

Table 16. HAY: Stocks on Farms, 1981-1990

Crop Year	Total production	Stocks Following Harvest			
		December 1		May 1	
		Stocks	Percent of production	Stocks	Percent of production
	1,000 tons	1,000 tons	Percent	1,000 tons	Percent
1981	5,273	1/3,164	60	791	15
1982	5,283	1/3,645	69	898	17
1983	5,284	1/2,959	56	740	14
1984	5,366	1/3,005	56	966	18
1985	5,269	1/3,267	62	1,001	19
1986	5,408	3,894	72	1,028	19
1987	5,126	3,588	70	820	16
1988	4,697	2,818	60	798	17
1989	4,538	3,177	70	998	22
1990	4,377	3,502	80	1,007	23

1/ Estimate as of January 1.

FEED GRAIN DEFICIT SHRINKS

Feed grain production in New York during 1990 was up 12 percent from the short production a year earlier. A gain in corn production more than offset declines in oats and barley. The increase was also more than enough to offset the additional grain fed to all grain consuming animals. As a result, the State's feed grain deficit shrunk 27 percent from the deficit in 1989.

During the early 1970's, New York's production was nearly two million tons of feed grains short of meeting the annual feeding requirements of the State's livestock and poultry industry. By 1981, feed grain production was at a record high and the deficit fell to an all time low of 121 thousand tons. The quantity produced during 1990 met only 82 percent of the feeding requirements so a net total of 413 thousand tons of feed grain had to be brought in.

Table 17. FEED GRAIN: Production and Quantities Fed, 1981-1990

Year	Quantity Produced	Quantity Fed	Quantity of Deficit
		1,000 tons	
1981	2,459	2,580	121
1982	2,273	2,613	340
1983	1,719	2,582	863
1984	1,911	2,485	574
1985	2,195	2,498	303
1986	2,025	2,391	366
1987	2,027	2,288	261
1988	1,424	2,198	774
1989	1,643	2,209	566
1990	1,844	2,257	413

VEGETABLES

The value of New York State vegetable production totaled $209 million in 1990. This is slightly below the 210 million dollar value of the 1989 vegetable crop. The value of the Empire State's principle fresh market vegetables, at $173 million dollars is down three percent from 1989, while the value of the principle processing vegetables, at 36.3 million dollars increased 12 percent from 1989. Lower prices for many items more than offset increased yields. Fresh market production totaled 13.4 million hundredweight, up 27 percent.

The 1990 production estimate for New York's principle processing vegetable crops is 385 thousand tons, 18 percent above the 327 thousand tons produced in 1989. Increased yields offset reduced harvested acreage of kraut, peas, and green beans. Although growers planted three percent more processing vegetable acreage, lower prices for green beans and sweet corn led growers to harvest two percent fewer acres than a year ago.

Table 18. PRINCIPAL VEGETABLES FOR FRESH MARKET 1/

Year	Planted	Harvested	Production	Value
	---1,000 acres---		1,000 cwt.	Million dollars
1981	75.2	72.2	11,480	155.9
1982	74.6	71.9	13,143	131.6
1983	75.0	71.6	11,100	179.9
1984	76.9	73.7	12,148	139.8
1985	76.5	72.9	11,859	135.6
1986	72.2	67.5	11,287	167.4
1987	72.9	67.7	11,504	166.8
1988	71.7	64.8	10,118	165.7
1989	70.5	65.4	10,556	177.8
1990	71.6	67.7	13,441	172.8

1/ Includes processing totals for dual usage crops *(carrots and cauliflower)*.

Table 19. PRINCIPAL VEGETABLES FOR PROCESSING 1/

Year	Planted	Harvested	Production	Value
	---1,000 acres---		1,000 tons	Million dollars
1981	78.4	74.5	355.6	33.7
1982	78.1	75.7	388.0	36.1
1983	77.3	73.8	318.3	31.7
1984	80.2	75.6	369.3	33.8
1985	83.7	80.5	355.9	37.6
1986	67.7	65.6	299.5	26.5
1987	74.0	71.0	384.3	30.9
1988 2/	71.3	68.8	287.1	23.7
1989 2/	72.6	70.0	327.1	32.3
1990 2/	74.9	68.6	384.5	36.3

1/ Includes snap beans, beets, cabbage for kraut, sweet corn, and green peas.
2/ Beginning in 1988, includes tomatoes.

Table 20. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1981-1990

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
CARROTS 1/						
1981	1,200	1,100	355	391	9.58	3,747
1982	1,700	1,600	330	528	8.63	4,555
1983	1,700	1,600	325	520	7.20	3,761
1984	1,700	1,600	355	568	5.82	3,305
1985	1,500	1,400	385	539	9.73	5,247
1986	1,500	1,400	340	476	11.30	5,359
1987	1,200	1,200	360	432	12.90	5,555
1988	1,300	1,200	350	420	9.60	4,030
1989	1,300	1,200	360	432	8.91	3,847
1990	1,300	1,200	365	438	8.55	3,745
CAULIFLOWER 1/ 2/						
Long Island						
1981	2,000	1,900	135	257	26.00	6,682
1982	2,000	1,900	125	238	19.60	4,668
1983	2,100	1,800	120	216	29.10	6,284
1984	2,200	2,000	130	260	27.60	7,163
1985	2,100	2,000	110	220	24.50	5,379
1986	1,700	1,600	120	192	28.90	5,554
1987	1,800	1,600	100	160	25.90	4,144
1988	1,800	1,500	120	180	26.20	4,721
1989	1,400	1,300	115	150	28.60	4,286
1990	1,200	1,200	120	144	26.10	3,754
Upstate						
1981	1,900	1,700	120	204	20.10	4,100
1982	1,900	1,800	120	216	18.80	4,061
1983	1,800	1,700	105	179	20.60	3,687
1984	2,000	1,900	110	209	21.60	4,514
1985	2,000	1,900	120	228	17.50	3,990
1986	1,800	1,500	110	165	27.60	4,554
1987	1,700	1,500	105	158	26.30	4,155
1988	1,800	1,600	95	152	24.90	3,785
1989	1,600	1,400	120	168	31.10	5,225
1990	1,600	1,400	120	168	27.70	4,654
State Total						
1981	3,900	3,600	128	461	23.00	10,782
1982	3,900	3,700	123	454	19.00	8,729
1983	3,900	3,500	113	395	25.20	9,971
1984	4,200	3,900	120	469	24.90	11,677
1985	4,100	3,900	115	448	20.90	9,369
1986	3,500	3,100	115	357	28.30	10,108
1987	3,500	3,100	100	318	26.10	8,299
1988	3,600	3,100	105	332	25.60	8,506
1989	3,000	2,700	118	318	29.90	9,511
1990	2,800	2,600	120	312	26.90	8,408

1/ Includes quantities used for processing.
2/ Cauliflower yield and production are in terms of "close trim" as used for cello-wrap packaging. Weight of close trim is approximately 55 percent of usual field pack.

Table 20. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1981-1990 *(Continued)*

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
CELERY 1/						
1981	680	680	465	316	13.20	4,171
1982	740	730	480	350	10.40	3,640
1983	770	730	410	299	13.80	4,126
1984	810	750	400	300	10.30	3,090
1985	610	610	405	247	11.50	2,841
1986	470	470	410	193	16.30	3,146
1987	490	490	410	201	17.70	3,558
1988	490	430	400	172	21.10	3,629
1989	430	430	400	172	18.40	3,165
1990	440	360	300	108	14.10	1,523
CUCUMBERS						
1981	3,600	3,500	115	403	14.20	5,723
1982	3,600	3,500	110	385	12.30	4,735
1983	3,200	3,100	115	357	13.40	4,784
1984	3,300	3,200	105	336	13.30	4,469
1985	3,300	3,200	115	368	15.90	5,851
1986	3,600	3,500	125	438	11.40	4,993
1987	3,200	3,100	125	388	15.45	5,995
1988	3,200	3,100	115	357	17.10	6,105
1989	3,100	2,900	130	377	21.40	8,068
1990	3,600	3,500	134	469	12.10	5,675
LETTUCE						
1981	4,100	3,800	195	741	18.10	13,412
1982	4,200	4,000	210	840	13.30	11,172
1983	4,400	4,000	195	780	15.50	12,090
1984	4,200	3,800	205	779	15.40	11,997
1985	4,100	3,700	205	759	12.40	9,412
1986	3,700	3,100	200	620	13.60	8,432
1987	3,600	3,400	200	680	14.90	10,132
1988	3,100	2,600	180	468	14.60	6,833
1989	2,700	2,400	205	492	14.50	7,134
1990	3,000	2,600	200	520	15.60	8,112
GREEN BEANS						
1981	6,300	6,100	40	244	33.10	8,076
1982	5,700	5,400	45	243	29.70	7,217
1983	5,200	5,000	47	235	39.50	9,283
1984	4,800	4,700	45	212	35.00	7,420
1985	4,300	4,200	47	197	31.40	6,186
1986	4,000	3,700	46	170	37.30	6,341
1987	4,000	3,700	47	174	32.60	5,672
1988	4,400	4,100	40	164	55.00	9,020
1989	6,200	6,000	53	318	58.50	18,603
1990	4,300	4,000	65	260	53.20	13,832

1/ Includes quantities used for processing.

Table 20. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1981-1990 *(Continued)*

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
STRAWBERRIES 1/						
1981	2,900	2,800	46	129	46.10	5,947
1982	2,900	2,800	45	126	53.10	6,691
1983	3,100	3,000	45	135	46.30	6,251
1984	3,100	3,000	51	153	54.70	8,369
1985	3,400	3,300	51	168	44.60	7,493
1986	3,400	3,300	55	182	41.90	7,626
1987	2,900	2,800	57	160	56.90	9,104
1988	2,700	2,500	48	120	73.10	8,772
1989	2,500	2,400	56	134	87.50	11,725
1990	3,000	2,700	63	170	83.00	14,110
SWEET CORN						
1981	25,400	24,500	71	1,740	10.80	18,792
1982	25,000	24,000	78	1,872	10.30	19,282
1983	26,700	25,300	76	1,923	10.20	18,615
1984	28,200	26,800	76	2,037	11.80	24,037
1985	30,000	28,400	67	1,903	10.30	19,601
1986	26,500	24,700	71	1,754	13.30	23,328
1987	29,200	27,200	77	2,094	10.40	21,778
1988	27,800	24,800	70	1,736	14.30	24,825
1989	26,100	24,800	80	1,984	15.10	29,958
1990	27,600	26,500	80	2,120	11.50	24,380
TOMATOES						
1981	3,300	3,200	135	432	27.40	11,837
1982	3,600	3,500	120	420	27.90	11,718
1983	3,400	3,200	100	320	22.80	7,296
1984	3,100	3,000	110	330	28.40	9,372
1985	3,000	2,800	140	392	27.20	10,662
1986	2,400	2,200	142	312	29.90	9,329
1987	2,500	2,300	150	345	32.80	11,316
1988	2,500	2,400	160	384	45.40	17,434
1989	2,600	2,500	170	425	37.70	16,023
1990	2,900	2,800	160	448	36.60	16,397

1/ Includes small quantities processed.

Table 21. CABBAGE FOR FRESH MARKET: Acres, Yield, Production, Sales, and Value, 1981-1990

Crop Year	Planted	Harvested	Yield per acre	Production	Sales 1/	Mkting. year wtd. average price	Value of Sales
	Acres	Acres	Cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
Long Island							
1981	1,600	1,400	250	350	350	6.64	2,324
1982	1,300	1,200	250	300	300	8.06	2,418
1983	1,200	1,100	250	275	275	9.45	2,599
1984	1,600	1,500	245	368	368	6.25	2,300
1985	1,500	1,300	250	325	325	9.70	3,153
1986	2,000	1,800	275	495	495	16.50	8,168
1987	1,800	1,600	320	512	512	14.50	7,424
1988	1,700	1,500	300	450	450	12.90	5,805
1989	1,900	1,700	320	544	544	12.00	6,528
1990	1,900	1,800	350	630	567	10.70	6,067
Upstate 1/							
1981	7,600	7,200	325	2,340	2,145	8.25	17,696
1982	7,700	7,500	410	3,075	2,583	6.93	17,900
1983	7,300	7,200	370	2,664	2,446	18.90	46,229
1984	7,500	7,300	440	3,212	2,794	8.25	23,051
1985	7,200	6,900	370	2,553	2,305	7.20	16,596
1986	7,600	7,200	350	2,520	2,243	10.70	24,000
1987	7,600	7,200	410	2,952	2,627	9.50	24,957
1988	7,700	7,400	350	2,590	2,344	12.90	30,238
1989	7,500	7,200	340	2,448	2,191	12.10	26,511
1990	7,900	7,400	450	3,330	2,738	7.70	21,083
State Total							
1981	9,200	8,600	313	2,690	2,495	8.02	20,020
1982	9,000	8,700	388	3,375	2,883	7.02	20,318
1983	8,500	8,300	354	2,939	2,721	17.94	48,828
1984	9,100	8,800	407	3,580	3,162	8.02	25,351
1985	8,700	8,200	350	2,878	2,630	7.51	19,749
1986	9,600	9,000	335	3,015	2,738	11.75	32,168
1987	9,400	8,800	394	3,464	3,139	10.32	32,381
1988	9,400	8,900	342	3,040	2,794	12.90	36,043
1989	9,400	8,900	336	2,992	2,735	12.08	33,039
1990	9,800	9,200	430	3,960	3,305	8.21	27,150

1/ Excludes quantities lost from shrinkage and waste.

Table 22. CABBAGE FOR FRESH MARKET: Upstate New York Production and Stocks, 1981-1990

Crop Year	Harvested production	November 15 stocks		January 1 stocks	
		Amount on hand	Percent of production	Amount on hand	Percent of production
	1,000 cwt.	1,000 cwt.	Percent	1,000 cwt.	Percent
1981	2,340	1,065	46	910	39
1982	3,075	1,450	47	1,330	43
1983	2,664	1,230	46	875	33
1984	3,212	1,740	54	1,420	44
1985	2,553	1,220	48	1,330	52
1986	2,520	1,280	51	928	37
1987	2,952	1,340	45	1,164	39
1988	2,590	1,160	45	1,170	45
1989	2,448	1,540	63	1,040	42
1990	3,330	1,890	57	1,760	53

Table 23. ONIONS FOR FRESH MARKET: Acres, Yield, Production, Sales, and Value, 1981-1990

Crop Year	Planted	Harvested	Yield per acre	Production	Sales 1/	Mkting. year wtd. average price	Value of Sales
	Acres	Acres	Cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
1981	14,600	14,300	275	3,933	3,630	14.70	53,390
1982	14,300	14,000	325	4,550	4,071	8.23	33,521
1983	14,100	13,900	230	3,197	2,804	19.60	54,847
1984	14,400	14,100	240	3,384	2,876	10.70	30,696
1985	13,500	13,200	300	3,960	3,469	11.30	39,201
1986	13,500	13,000	290	3,770	3,090	18.30	56,536
1987	12,900	11,600	280	3,248	2,774	19.10	52,980
1988	13,200	11,700	250	2,925	2,451	16.50	40,505
1989	13,200	11,200	260	2,912	2,533	14.50	36,770
1990	12,900	12,200	380	4,636	3,565	13.90	49,421

1/ Excludes quantities lost from shrinkage and waste.

Table 24. ONIONS: Acres, Yield and Production, by Area, 1981-1990

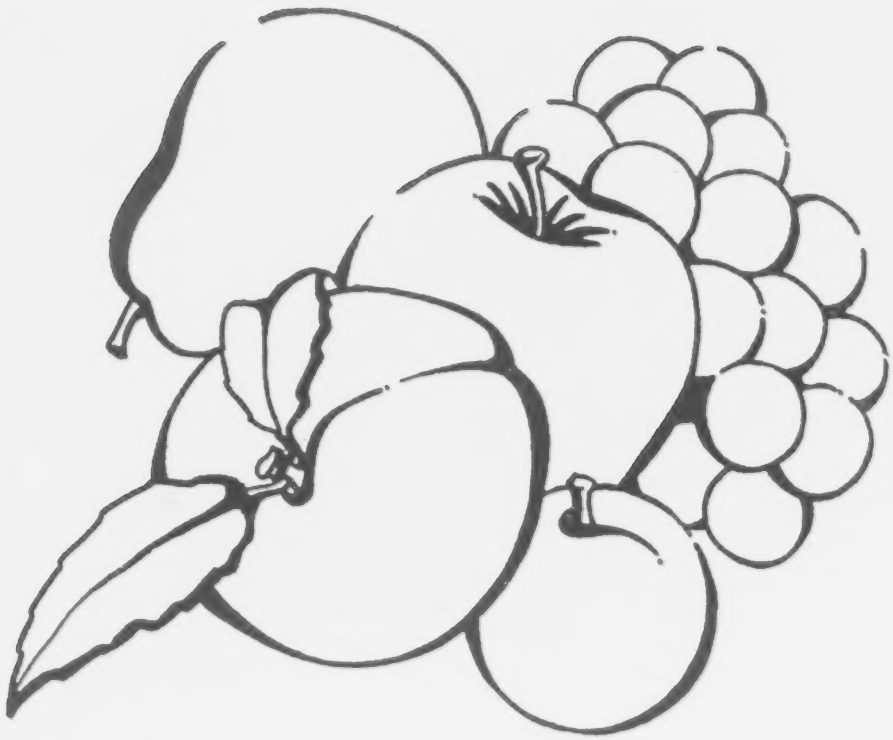
Year	Orange County	Orleans-Genesee 1/	Oswego County	Madison	Steuben-Yates-Ontario	Wayne & Other	State
HARVESTED ACRES							
1981	7,700	3,100	950	1,200	750	600	14,300
1982	7,650	2,900	850	1,100	950	550	14,000
1983	7,500	3,100	950	1,000	850	500	13,900
1984	7,500	2,900	1,200	1,000	950	550	14,100
1985	7,400	2,800	1,250	750	600	400	13,200
1986	7,200	2,600	1,350	800	650	400	13,000
1987	5,600	2,750	1,500	700	600	450	11,600
1988	5,300	2,900	1,500	800	700	500	11,700
1989	6,000	1,500	1,800	650	800	450	11,200
1990	6,000	2,450	2,000	450	900	400	12,200
YIELD PER ACRE - CWT.							
1981	260	315	325	195	335	268	275
1982	330	340	360	280	295	264	325
1983	235	230	260	195	210	202	230
1984	220	240	340	200	300	264	240
1985	315	230	395	230	350	270	300
1986	310	275	290	205	280	213	290
1987	310	250	305	205	230	189	280
1988	250	240	320	180	240	224	250
1989	250	210	280	280	360	273	260
1990	390	380	380	280	400	300	380
PRODUCTION - 1,000 CWT.							
1981	2,002	976	309	234	251	161	3,933
1982	2,525	986	306	308	280	145	4,550
1983	1,763	713	247	195	179	101	3,197
1984	1,650	696	408	200	285	145	3,384
1985	2,331	644	494	173	210	108	3,960
1986	2,232	715	392	164	182	85	3,770
1987	1,736	688	458	144	138	84	3,248
1988	1,325	696	480	144	168	112	2,925
1989	1,500	315	504	182	288	123	2,912
1990	2,340	930	760	126	360	120	4,636

1/ Includes small acreages in Livingston and Niagara Counties.

Table 25. VEGETABLES FOR PROCESSING: Acres, Yield, Production, and Value, 1981-1990

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Tons	Tons	Dollars per ton	1,000 dollars
BEETS						
1981	3,300	3,200	17.85	57,120	44.10	2,519
1982	3,600	3,500	17.60	61,600	43.30	2,667
1983	2,300	2,300	14.00	32,200	46.60	1,501
1984	3,000	2,100	16.03	33,660	46.90	1,579
1985	2,400	2,300	15.94	36,660	45.90	1,683
1986	2,400	2,000	15.15	30,300	47.60	1,442
1987	2,400	2,300	15.80	36,340	46.20	1,679
1988	1,900	1,740	18.57	32,312	48.90	1,580
1989	2,100	2,000	13.70	27,400	64.50	1,767
1990	2,300	2,200	16.67	36,674	60.50	2,219
CABBAGE FOR KRAUT						
1981	3,600	3,500	25.60	89,600	35.70	3,199
1982	3,200	3,200	25.45	81,440	35.10	2,859
1983	3,000	3,000	17.07	51,210	35.00	1,792
1984	3,200	3,200	25.00	80,000	36.30	2,904
1985	3,200	3,100	25.32	78,490	36.70	2,881
1986	2,000	2,000	27.00	54,000	35.20	1,901
1987	2,300	2,300	29.57	68,000	34.10	2,319
1988	2,100	2,100	26.67	56,000	34.70	1,943
1989	2,600	2,600	25.77	67,000	38.10	2,553
1990	2,100	2,000	27.00	54,000	40.80	2,203
GREEN PEAS						
1981	7,900	7,800	1.85	14,430	284.00	4,098
1982	9,400	8,800	1.70	14,960	286.00	4,279
1983	9,400	9,200	1.50	13,800	285.00	3,933
1984	9,600	9,200	1.64	15,090	301.00	4,542
1985	12,100	12,000	2.34	28,080	305.00	8,564
1986	9,100	8,700	1.85	16,100	281.00	4,524
1987	10,200	9,900	1.64	16,240	261.00	4,239
1988	9,800	9,700	1.20	11,640	290.00	3,376
1989	11,500	10,600	1.60	16,960	285.00	4,834
1990	10,500	10,000	1.76	17,600	292.00	5,139
GREEN BEANS						
1981	41,900	38,900	2.47	96,080	185.00	17,775
1982	36,400	35,600	2.82	100,390	178.00	17,869
1983	34,500	33,800	2.61	88,220	178.00	15,700
1984	35,100	32,800	2.52	82,660	181.00	14,961
1985	35,000	33,400	2.73	91,180	184.00	16,777
1986	26,500	25,800	2.34	60,370	170.00	10,263
1987	29,400	28,600	2.47	70,640	165.00	11,656
1988	29,500	28,000	1.89	52,920	161.00	8,520
1989	26,400	25,200	2.76	69,550	188.00	13,075
1990	24,400	22,600	3.10	70,060	184.00	12,891
SWEET CORN						
1981	21,700	21,100	4.66	98,330	62.10	6,106
1982	25,500	24,600	5.27	129,640	64.80	8,401
1983	28,100	25,500	5.21	132,860	66.10	8,782
1984	29,300	28,300	5.58	157,910	62.40	9,854
1985	31,000	29,700	4.09	121,470	63.70	7,738
1986	27,700	27,100	5.12	138,750	60.00	8,325
1987	29,700	27,900	6.92	193,070	57.00	11,005
1988	25,600	25,000	3.80	95,000	55.70	5,292
1989	28,000	27,700	4.00	110,800	60.80	6,737
1990	33,300	29,700	5.60	166,320	59.70	9,929
TOMATOES 1/						
1988	2,400	2,300	17.04	39,190	76.40	2,994
1989	2,000	1,900	18.63	35,400	93.00	3,292
1990	2,300	2,100	18.95	39,800	98.70	3,928

1/ Not published prior to 1988 to avoid disclosure of individual operations.



FRUIT

The value of New York's 1990 tree fruit and grape production totaled 180 million dollars, 17 percent above the comparable 1989 value of 154 million dollars. The value of utilized production was above the previous year for apples, peaches and pears. Lower values were recorded for sweet cherries, tart cherries and grapes.

The 1990 **APPLE** crop in New York was up three percent in total production to 990 million pounds *(23.5 million bushels)*. Total apple production for Eastern New York was 350 million pounds *(8.3 million bushels)*, up 25 percent from the 280 million pounds *(6.7 million bushels)* produced in 1989. Western New York apple production totaled 640 million pounds *(15.2 million bushels)*, down six percent from the 680 million pounds *(16.2 million bushels)* produced in the region in 1989. McIntosh remains the leading variety produced in the state, followed by Romes, Red Delicious and Rhode Island Greenings.

GRAPE production in New York decreased five percent from 1989 to 144,000 tons. Concord production, at 99,000 tons, decreased six percent from a year earlier. The value of the New York grape crop is estimated at 41.2 million dollars, down two percent from the 1989 value of production.

New York's **TART CHERRY** crop for 1990 totaled 16.5 million pounds, down 47 percent from 1989. Utilized production of 13.3 million pounds was valued at 2.8 million dollars, 19 percent below the previous year.

Table 26. FRUIT: Production and Value of Major Fruits, 1981-1990 1/

Year	Utilized production	Value
	Tons	1,000 dollars
1981	576,050	150,111
1982	761,950	150,083
1983	783,000	165,327
1984	738,850	163,978
1985 2/	717,750	114,510
1986	646,550	137,796
1987	652,850	131,058
1988	648,170	151,925
1989	666,880	153,669
1990	667,800	179,735

1/ Includes apples, grapes, tart and sweet cherries, peaches and pears.
2/ Beginning in 1985 the total value reflects the packinghouse door equivalent returns for apples.

SWEET CHERRY production totaled 1,000 tons, down 26 percent from the 1,350 tons produced in 1989. Utilized production from the 1990 crop, at 700 tons, was down 41 percent from the 1,180 tons utilized in 1989. The New York crop is valued at 0.52 million dollars compared to 0.92 million dollars in 1989.

PEACH production for the Empire State totaled 14.0 million pounds, up 12 percent from the 12.5 million pounds produced in 1989. Utilized production, at 13.7 million pounds, is valued at 3.8 million dollars, up four percent from 1989.

Production of **PEARS**, at 14,600 tons, was down 12 percent from the 1989 crop of 16,500 tons. The value of the 1990 crop is placed at 3.7 million dollars, up two percent from 1989.

Nationally, in 1990 New York ranked second in apple and tart cherry production, third in grapes, fourth in the production of pears, and seventh in sweet cherry output.

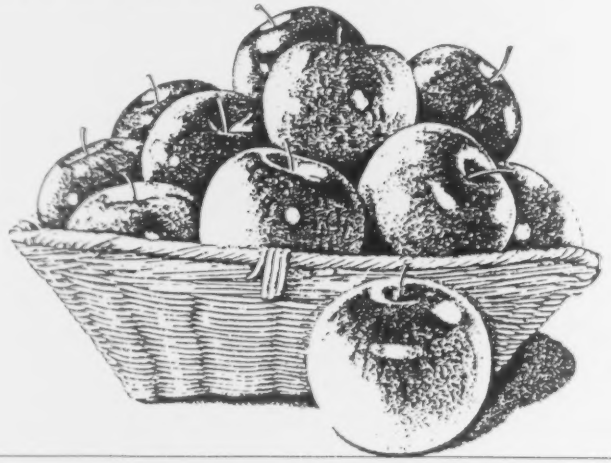


Table 27. APPLES: Bearing Acres, Production, and Value, 1981-1990

Crop Year	Acres of bearing age	Production				Value	
		Eastern	Western	Total	Utilized production 1/	Mkting. year wtd. average price	Value of utilized production
	Thousands	Million pounds			Million lbs.	Cents per lb.	1,000 dollars
1981	64.0	270	530	800	800	12.80	102,300
1982	63.5	405	725	1,130	1,130	8.90	100,490
1983	63.0	370	730	1,100	1,100	9.80	107,430
1984	62.8	305	715	1,020	1,020	11.20	114,027
1985	63.8	310	780	1,090	1,079	2/7.00	2/75,085
1986	63.0	300	600	900	900	10.10	91,260
1987	62.0	270	610	880	880	9.20	80,560
1988	61.0	340	570	910	910	10.80	98,325
1989	62.0	280	680	960	960	10.40	99,960
1990	63.5	350	640	990	990	12.90	127,810

1/ Excludes the following quantities not harvested for economic reasons: *(million pounds)* 1985 - 11.
2/ Beginning in 1985 price and value are packinghouse door equivalent returns.

Table 28. APPLES: Utilization and Price, 1981-1990

Crop Year	Fresh Use		Processed			
	Quantity	Mkting. year wtd. average price	Total	Mkting. year wtd. average price	Canned	Mkting. year wtd. average price
	Million lbs.	Cents per lb.	Million lbs.	Dollars per ton	Million lbs.	Dollars per ton
1981	350	21.0	450	127.00	180	138.00
1982	410	14.5	720	114.00	310	124.00
1983	435	16.9	665	102.00	250	116.00
1984	401	20.1	619	107.00	213	132.00
1985	379	11.5	700	89.00	280	110.00
1986	360	16.5	540	118.00	275	130.00
1987	380	13.7	500	114.00	265	126.00
1988	405	15.3	505	143.00	290	160.00
1989	440	14.8	520	133.00	294	142.00
1990	520	17.8	470	150.00	256	160.00

Crop Year	Processed					
	Juice and Cider	Mkting. year wtd. average price	Frozen	Mkting. year wtd. average price	Other 1/	Mkting. year wtd. average price
	Million lbs.	$ per ton	Million lbs.	$ per ton	Million lbs.	$ per ton
1981	214	110.00	25	178.00	31	146.00
1982	303	95.00	43	134.00	64	138.50
1983	343	84.00	34	138.00	38	171.00
1984	310	84.00	56	126.00	40	212.00
1985	359	66.00	26	126.00	35	122.00
1986	230	102.00	25	126.00	10	132.00
1987	170	90.00	40	128.00	25	130.00
1988	135	98.00	50	164.00	30	154.00
1989	124	90.00	70	164.00	32	156.00
1990	135	114.00	58	184.00	21	158.00

1/ Includes vinegar, jelly, apple butter, mincemeat, fresh slices, and dried.

Table 29. APPLES: Production by Varieties, 1981-1990 1/

Variety	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
					Million pounds					
Cortland	61	86	84	82	78	57	60	66	70	65
Crispin (Mutsu)	2/	2/	2/	2/	15	12	15	15	20	15
Delicious	96	147	160	127	162	100	87	123	95	110
Empire	2/	2/	2/	2/	36	29	40	42	50	55
Golden Delicious	50	65	55	46	64	51	45	52	45	55
Idared	51	70	60	61	87	68	66	71	75	85
McIntosh	223	322	295	266	239	200	203	152	195	190
Monroe	12	15	17	10	15	13	18	9	8	10
Northern Spy	15	23	24	20	23	21	17	16	17	15
R.I. Greening	86	123	128	122	113	114	99	109	135	95
Rome	112	145	147	133	131	123	123	133	110	155
Twenty Ounce	28	39	40	36	35	32	33	38	50	45
Other	66	95	90	117	92	80	74	84	90	95
All Varieties 1/	800	1,130	1,100	1,020	1,090	900	880	910	960	990
					Thousand 42 pound equivalents					
All Varieties	19,048	26,905	26,190	24,285	25,952	21,429	20,952	21,667	22,857	23,571

1/ Total production. 2/ Included in "Other".

Table 30. APPLES: Receipts and Utilization at New York Processing Plants and Cider Mills, 1981-1990

Crop Year	Total received 1/	Receipts from other states 2/	Used for canning or applesauce	Used for juice and cider	Used for freezing	Other products 3/	Cider and juice made 4/
			Million pounds				Thous. gal.
1981	455.4	42.9	164.7	238.1	22.6	27.8	27,162
1982	730.4	51.9	288.3	336.5	42.6	63.0	28,304
1983	618.6	38.3	212.2	342.8	26.2	37.5	29,175
1984	568.7	16.5	192.6	305.2	32.6	38.2	26,771
1985	678.9	17.1	268.3	351.0	25.9	33.8	31,080
1986	535.8	43.0	264.1	240.9	24.1	6.7	21,864
1987	513.9	53.2	262.6	183.2	42.0	24.5	16,967
1988	511.0	60.6	288.4	147.4	41.0	32.6	13,215
1989	445.6	32.1	232.5	121.0	60.4	31.5	10,965
1990	436.7	55.9	220.2	144.2	51.6	20.7	13,864

1/ Excludes New York grown apples processed in other states. 2/ Included in preceding column. 3/ Jelly, apple butter, mincemeat, fresh sliced apples for pies, dried apples, and vinegar. 4/ Unconcentrated.

Table 31. APPLES: Processing Plants in Operation and Establishments Making Specified Products, 1981-1990

Crop Year	Plants in operation	Plants Making		
		Juice and cider	Canned apple products 1/	Frozen apple products
1981	138	130	7	4
1982	146	129	7	4
1983	137	131	6	4
1984	136	130	5	4
1985	127	121	5	5
1986	108	101	7	4
1987	94	88	7	4
1988	93	83	7	4
1989	84	78	5	3
1990	73	67	5	4

1/ Includes canned apple slices, baby food, etc.

Table 32. APPLES: Holdings in Cold Storage, End-of-Month, 1981-1990 1/

Month	Total Holdings									
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Thousand bushels									
EASTERN NEW YORK										
September	1,632	2,064	1,317	1,129	1,693	2,289	2,321	1,970	1,994	2,286
October	3,945	5,381	5,299	4,663	4,699	4,019	3,774	3,962	3,225	4,502
November	3,448	4,761	5,185	4,507	4,218	3,987	3,724	4,211	2,988	4,049
December	3,027	4,176	3,954	3,581	3,771	2,994	3,171	3,831	2,584	3,331
January	2,574	3,324	3,040	3,334	2,910	2,637	2,555	3,271	2,176	2,987
February	1,915	2,666	2,657	2,357	2,421	1,784	1,929	2,548	1,661	2,151
March	1,238	1,923	1,706	1,694	1,622	1,103	1,260	1,838	1,306	1,484
April	694	1,374	1,047	1,051	1,011	709	705	924	833	696
WESTERN NEW YORK										
September	881	1,132	523	546	802	1,178	1,778	1,200	960	1,283
October	2,937	4,398	3,771	3,859	4,662	4,222	3,924	3,713	3,172	4,070
November	2,537	5,839	4,164	4,139	4,716	4,111	3,940	4,209	3,752	3,825
December	1,789	3,759	3,101	3,239	4,492	3,102	3,623	3,595	3,392	3,208
January	1,264	2,343	2,291	2,049	3,203	2,488	2,691	2,831	2,662	2,563
February	651	1,487	1,390	1,245	2,266	1,800	2,030	2,148	2,092	1,870
March	465	961	955	796	1,293	1,112	1,326	1,514	1,418	1,253
April	244	707	575	478	775	544	1,008	992	924	754
TOTAL NEW YORK										
August	3	8	2	2	29	23	8	43	52	117
September	2,513	3,196	1,840	1,675	2,495	3,467	4,099	3,170	2,954	3,569
October	6,882	9,779	9,070	8,522	9,361	8,241	7,698	7,675	6,397	8,572
November	5,985	10,600	9,349	8,646	8,934	8,098	7,664	8,420	6,740	7,874
December	4,816	7,935	7,055	6,820	8,263	6,096	6,794	7,426	5,976	6,539
January	3,838	5,667	5,331	5,383	6,113	5,125	5,246	6,102	4,838	5,550
February	2,566	4,153	4,047	3,602	4,687	3,584	3,959	4,696	3,753	4,021
March	1,703	2,884	2,661	2,490	2,915	2,215	2,586	3,352	2,724	2,737
April	938	2,081	1,622	1,529	1,786	1,253	1,713	1,916	1,757	1,450
May	298	890	743	637	786	372	828	965	798	
June	94	386	125	126	242	80	433	360	303	
July	16	77	4	38	68	15	274	129	158	

Month	Controlled Atmosphere Storage									
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Thousand bushels									
EASTERN NEW YORK										
September	1,155	1,364	895	816	1,270	1,269	1,449	1,266	1,315	1,441
October	2,791	3,720	3,661	3,261	3,168	2,632	2,573	2,455	2,348	3,265
November	2,741	3,731	3,750	3,228	3,042	2,856	3,122	3,363	2,407	3,228
December	2,690	3,643	3,255	3,118	3,065	2,651	2,857	3,327	2,293	3,018
January	2,447	3,066	2,742	3,015	2,596	2,481	2,423	3,087	2,061	2,782
February	1,867	2,515	2,472	2,111	2,196	1,757	1,889	2,488	1,627	2,050
March	1,208	1,829	1,647	1,526	1,493	1,088	1,237	1,808	1,303	1,436
April	669	1,327	1,040	952	903	705	687	912	830	672
WESTERN NEW YORK										
September	153	171	136	130	239	274	475	365	272	324
October	805	994	1,063	1,213	1,352	1,308	1,760	1,500	1,350	1,642
November	868	1,260	1,354	1,380	1,455	1,447	1,871	1,790	1,655	1,763
December	829	1,266	1,254	1,290	1,521	1,355	1,896	1,781	1,683	1,770
January	794	1,219	1,299	1,348	1,482	1,212	1,756	1,708	1,649	1,683
February	554	999	918	1,058	1,376	1,046	1,485	1,481	1,494	1,358
March	441	812	781	734	1,019	825	1,132	1,295	1,201	968
April	243	618	514	447	688	468	889	923	856	655
TOTAL NEW YORK										
September	1,308	1,535	1,031	946	1,509	1,543	1,924	1,631	1,587	1,765
October	3,596	4,714	4,724	4,474	4,520	3,940	4,333	3,955	3,698	4,907
November	3,609	4,991	5,104	4,608	4,497	4,303	4,993	5,153	4,062	4,991
December	3,519	4,909	4,509	4,488	4,586	4,006	4,753	5,108	3,976	4,788
January	3,241	4,285	4,041	4,363	4,078	3,692	4,179	4,795	3,710	4,465
February	2,421	3,514	3,390	3,169	3,572	2,803	3,374	3,969	3,121	3,408
March	1,649	2,641	2,428	2,260	2,512	1,913	2,369	3,103	2,504	2,404
April	912	1,945	1,554	1,399	1,591	1,173	1,576	1,835	1,686	1,327

1/ Crop harvested in year designated.

Table 33. TART CHERRIES: Bearing Acres, Production, Utilization, and Value, 1981-1990

Crop Year	Acres of bearing age	Production				Utilization			
		Total	Utilized 1/	Mkting. year wtd. average price	Value of utilized production	Fresh Use		Processed	
						Quantity	Mkting. year wtd. average price	Total	Mkting. year wtd. average price
	Thousands	Million lbs.		Cents per lb.	1,000 dol.	Million lbs.	Cents per lb.	Mil. lbs.	Cents per lb.
1981	4.2	7.0	7.0	45.1	3,156	0.1	51.4	6.9	45.0
1982	4.4	21.0	21.0	14.8	3,112	0.2	48.1	20.8	14.5
1983	4.5	23.0	23.0	46.0	10,585	0.3	47.6	22.7	46.0
1984	4.7	26.0	25.3	22.2	5,625	0.3	33.3	25.0	22.1
1985	4.8	22.5	22.5	25.6	5,764	0.5	44.0	22.0	25.2
1986	5.1	13.0	12.3	23.0	2,835	0.2	50.0	12.1	22.6
1987	5.3	35.0	24.4	9.5	2,318	2.0	42.0	22.4	6.6
1988	5.2	22.0	21.5	22.5	4,835	0.3	43.0	21.2	22.2
1989	5.0	31.0	22.5	15.1	3,396	0.5	50.0	22.0	14.3
1990	4.7	16.5	13.3	20.8	2,765	0.3	55.0	13.0	20.0

1/ Excludes mature fruit not harvested.

Table 34. SWEET CHERRIES: Bearing Acres, Production, and Value, 1981-1990

Crop Year	Acres of bearing age	Production		Mkt. year wtd. avg. price	Value of utilized production
		Total	Utilized 1/		
	Thous.	Million pounds		$ per ton	1,000 dol.
1981	1.5	1,750	1,050	621.00	652
1982	1.5	3,500	3,200	608.00	1,946
1983	1.4	3,200	3,000	569.00	1,706
1984	1.2	2,400	2,200	567.00	1,248
1985	1.0	1,600	1,500	670.00	1,005
1986	0.9	1,700	1,400	720.00	1,008
1987	0.85	1,500	1,250	727.00	909
1988	0.7	1,400	1,270	820.00	1,042
1989	0.65	1,350	1,180	783.00	924
1990	0.6	1,000	700	743.00	520

1/ Excludes mature fruit not harvested.

Figure 2. RELATIVE VALUE OF NEW YORK FRUIT CROPS, 1990

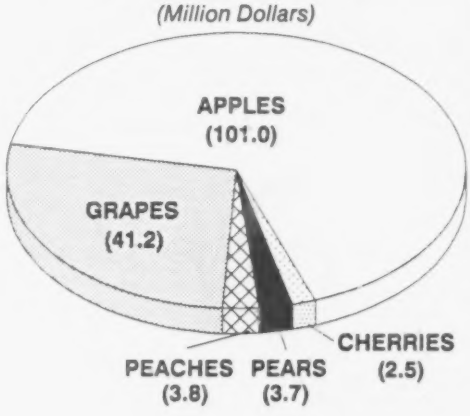


Table 35. PEACHES: Bearing Acres, Production, and Value, 1981-1990

Crop Year	Acres of bearing age	Production		Mkt. year wtd. avg. price	Value of utilized production
		Total	Utilized 1/		
	Thous.	Million pounds		¢ per lb.	1,000 dol.
1981	2.0	9.0	9.0	23.6	2,121
1982	2.1	14.5	14.5	27.2	3,938
1983	2.1	17.0	17.0	23.2	3,946
1984	2.2	11.0	11.0	27.4	3,011
1985	2.0	14.5	14.0	23.2	3,252
1986	2.0	14.0	14.0	23.6	3,308
1987	2.1	14.3	13.8	21.5	2,971
1988	2.1	14.1	13.7	27.2	3,726
1989	2.1	12.5	12.3	29.4	3,622
1990	2.1	14.0	13.7	27.6	3,781

1/ Excludes mature fruit not harvested.

Table 36. PEARS: Bearing Acres, Production, and Value, 1981-1990

Crop Year	Acres of bearing age	Production		Mkt. year wtd. avg. price	Value of utilized production
		Total	Utilized 1/		
	Thous.	Tons		$ per ton	1,000 dol.
1981	3.3	17,000	17,000	219.00	3,730
1982	3.2	19,000	19,000	201.00	3,828
1983	3.0	19,000	19,000	271.00	5,146
1984	2.9	20,000	20,000	228.00	4,568
1985	2.7	14,500	14,500	241.00	3,488
1986	2.8	19,000	18,000	210.00	3,773
1987	2.9	15,000	14,500	259.00	3,758
1988	2.8	17,300	17,300	235.00	4,061
1989	2.8	16,500	16,300	223.00	3,631
1990	2.8	14,600	14,600	253.00	3,687

1/ Excludes mature fruit not harvested.

Table 37. GRAPES: Bearing Acres, Production, Utilization, and Value, 1981-1990

Crop Year	Acres of bearing age	Production					Utilization	
		Total all varieties	Total Concord production	Utilized all varieties 1/	Mkting. year wtd. average price	Value of utilized production	Fresh Use	
							Quantity	Mkting. year wtd. average price
	Thousands	Tons	Tons	Tons	Dollars per ton	1,000 dollars	Tons	Dollars per ton
1981	41.0	150,000	108,500	150,000	254.00	38,152	3,500	478.00
1982	40.5	157,000	110,000	157,000	234.00	36,777	3,000	401.00
1983	40.0	191,000	132,000	191,000	191.00	36,514	4,500	364.00
1984	39.0	198,000	139,000	188,500	188.00	35,499	4,500	406.00
1985	37.0	144,000	109,000	144,000	180.00	25,916	4,000	424.00
1986	35.8	164,000	111,000	164,000	217.00	35,612	4,400	440.00
1987	36.0	178,000	126,000	178,000	228.00	40,542	4,500	450.00
1988	35.8	157,000	111,000	157,000	254.00	39,936	4,900	452.00
1989	35.5	152,000	105,000	152,000	277.00	42,136	4,000	470.00
1990	35.7	144,000	99,000	144,000	286.00	41,172	3,000	470.00

Crop Year	Utilization					
	Processed					
	Total	Mkting. year wtd. average price	Wine	Mkting. year wtd. average price	Sweet Juice and Other	Mkting. year wtd. average price
	Tons	Dollars per ton	Tons	Dollars per ton	Tons	Dollars per ton
1981	146,500	249.00	69,450	305.00	77,050	199.00
1982	154,000	231.00	67,450	272.00	86,550	175.00
1983	186,500	187.00	70,000	263.00	116,500	142.00
1984	184,000	183.00	72,500	255.00	111,500	136.00
1985	140,000	173.00	48,000	182.00	92,000	168.00
1986	159,600	211.00	70,200	216.00	89,400	207.00
1987	173,500	222.00	95,400	228.00	78,100	214.00
1988	152,100	248.00	61,500	233.00	90,600	258.00
1989	148,000	272.00	56,700	270.00	91,300	273.00
1990	141,000	282.00	54,700	263.00	86,300	294.00

1/ Excludes mature fruit not harvested.

Table 38. GRAPES: Total Grapes Processed in New York Plants, 1981-1990 1/

Crop Year	Received from		Primary utilization		Total
	New York	Other States and Canada	Wine	Sweet Juice and Other	
			Tons		
1981	127,008	13,854	69,124	71,738	140,862
1982	124,468	14,623	68,677	70,414	139,091
1983	157,013	14,977	73,182	98,808	171,990
1984	149,654	13,303	78,958	83,999	162,957
1985	112,097	11,810	48,077	75,830	123,907
1986	126,249	15,460	67,462	74,247	141,709
1987	142,859	8,823	68,171	83,511	151,682
1988	121,169	23,378	74,801	69,746	144,547
1989	123,769	13,675	69,154	68,290	137,444
1990	116,524	14,754	62,026	69,252	131,278

1/ Excludes New York grown grapes processed in other states.

Table 39. GRAPES: Concord Grapes Processed in New York Plants, 1981-1990 1/

Crop Year	Received from		Primary utilization		Total
	New York	Other States and Canada	Wine	Sweet Juice and Other	
			Tons		
1981	85,481	12,714	27,382	70,813	98,195
1982	78,302	12,717	23,086	67,933	91,019
1983	100,697	13,436	18,891	95,242	114,133
1984	97,746	12,247	30,970	79,023	109,993
1985	79,829	10,841	19,494	71,176	90,670
1986	79,255	13,950	22,557	70,648	93,205
1987	97,187	8,189	24,228	81,148	105,376
1988	81,828	11,449	24,599	68,678	93,277
1989	80,233	8,895	22,615	66,513	89,128
1990	77,108	11,915	21,795	67,228	89,023

1/ Excludes New York grown grapes processed in other states.

Table 40. GRAPES: New York Grown Grapes Processed, by Variety, 1981-1990 1/

Variety	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
					Tons					
American Varieties:										
Catawba	9,659	13,786	14,286	10,901	7,745	12,262	12,939	11,740	7,887	9,855
Concord	103,077	105,840	128,390	128,746	105,088	107,326	122,688	108,278	100,150	97,551
Delaware	5,980	4,031	7,412	7,170	2,655	5,562	4,722	3,879	3,237	2,741
Dutchess	438	425	1,246	1,102	497	792	587	658	571	461
Elvira	3,162	2,957	3,282	3,477	2,433	3,880	3,496	2,518	4,227	3,662
Niagara	8,113	9,372	9,874	9,990	5,614	9,663	10,243	8,262	11,962	9,188
French Hybrids:										
Aurora	6,847	5,718	8,9[illegible]	10,652	5,978	7,794	8,189	6,359	8,538	6,754
Baco Noir	1,002	1,601	1,775	1,672	1,084	1,419	1,148	801	1,202	1,141
Cayuga White	2/	2/	2/	2/	2/	2/	784	1,124	1,311	895
DeChaunac	2,520	3,198	3,611	2,478	2,839	2,911	2,664	1,949	2,484	2,010
Rougeon	612	424	795	810	559	692	788	800	586	783
Seyval Blanc	415	746	1,096	1,031	1,226	1,514	1,278	1,259	1,185	1,311
Vitis Vinifera, All	329	463	729	1,412	1,364	1,960	1,637	1,863	1,946	2,064
Other Varieties 3/	4,346	5,439	5,103	4,559	2,918	3,825	2,337	2,610	2,714	2,584
TOTAL	146,500	154,000	186,500	184,000	140,000	159,600	173,500	152,100	148,000	141,000

1/ Includes New York grown grapes received at out-of-state plants.
2/ Not available separately, included with "Other Varieties."
3/ Includes other American and French Hybrid varieties not shown.

Table 41. GRAPES: New York Grown Grapes Processed, by Area of Production, 1981-1990 1/

Crop Year	Chautauqua-Erie 2/	Niagara County	Finger Lakes 3/	Other 4/	State Total
			Tons		
1981	85,851	7,702	51,081	1,866	146,500
1982	87,947	6,505	54,437	5,111	154,000
1983	120,083	6,596	57,982	1,839	186,500
1984	115,247	6,574	58,038	4,141	184,000
1985	94,438	4,230	38,240	3,092	140,000
1986	98,827	5,346	51,141	4,286	159,600
1987	112,529	6,200	51,685	3,086	173,500
1988	102,672	4,652	41,909	2,867	152,100
1989	90,218	4,147	50,844	2,791	148,000
1990	83,850	5,758	49,947	1,445	141,000

1/ Includes New York grown grapes received at out-of-state plants.
2/ Includes Cattaraugus County.
3/ Includes Ontario, Seneca, Schuyler, Steuben and Yates Counties.
4/ Includes Hudson Valley, Long Island and other areas not listed.

Table 42. FRUIT: Yield Per Acre, 1981-1990

Fruit	Yield per acre of bearing age 1/									
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Pounds									
Apples	12,500	17,800	17,500	16,200	17,100	14,300	14,200	14,900	15,500	15,600
Sweet Cherries	2,340	4,600	4,580	4,000	3,200	3,780	3,520	4,000	4,160	3,340
Tart Cherries	1,670	4,770	5,110	5,530	4,690	2,550	6,600	4,230	6,200	3,510
Peaches	4,500	6,900	8,100	5,000	7,250	7,000	6,810	6,710	5,950	6,670
Pears	10,300	11,880	12,660	13,800	10,740	13,580	10,340	12,360	11,780	10,420
Grapes	7,320	7,760	9,560	10,160	7,780	9,160	9,880	8,780	8,560	8,060

1/ Includes unharvested production and fruit harvested but not sold due to marketing conditions.

FLORICULTURE

New York floriculture production in 1990 ranked third in the Nation with a wholesale value of 221.0 million dollars. This information was obtained from the annual survey of commercial floriculture producers in the 28 major producing states. A commercial producer is defined as one who grows and sells $10,000 or more in gross annual sales of cut flowers, flowering and foliage plants, bedding plants or cultivated florists greens.

Flowering bedding plants led all other categories in New York during 1990 with a wholesale value of 24.7 million dollars and were grown on 5.9 million square feet of production area. Potted geraniums were second with 17.9 million dollars grown on 4.0 million square feet. Following in order of their wholesale value were; cut hybrid tea roses with 15.0 million dollars grown on 1.4 million square feet; and potted poinsettias with 10.4 million dollars grown on 3.8 million square feet.

Table 43: FLORICULTURE: Growers and Growing Area, 1986-1990

	1986	1987	1988	1989	1990
			Number		
Commercial Growers 1/	450	769	644	580	675
Growing Area:			Acres		
Open Ground	210	1,085	589	454	482
			1,000 Square Feet		
Total Greenhouse Cover	14,133	15,438	16,147	17,082	17,880
Shade and Temporary Cover	451	682	713	809	810
Total Covered Area	14,584	16,120	16,860	17,891	18,690

1/ Includes only growers with sales of $10,000 or more.

Table 44. FLORICULTURE: Value of Sales by Plant Category, 1986-1990 1/

Plant Category	Value of Sales 2/				
	1986	1987	1988	1989	1990
			Thousand dollars		
Cut Flowers	12,367	16,041	17,469	20,848	21,598
Potted Flowering Plants	30,168	30,579	30,344	35,458	3/122,594
Potted Foliage	3,597	1,858	2,972	2,639	2,245
Foliage Hanging Baskets	2,014	2,078	1,853	2,860	3,003
Bedding/Garden Plants, Flats	18,335	21,607	24,092	33,150	33,330
Bedding/Garden Plants, Potted	12,117	18,475	20,587	22,186	28,745
Flowering Hanging Baskets	3,819	6,762	6,063	7,784	9,439
Total of Reported Crops 4/	82,417	97,408	103,381	124,926	220,984

1/ Includes only growers with sales of $10,000 or more.
2/ Equivalent wholesale value of all crops except potted foliage plants. Potted foliage is net value of sales.
3/ Potted flowering plants included an expanded list of plants to report in 1990. Data not comparable with earlier years.
4/ Includes cut cultivated greens.

Table 45. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1986-1990

Year	Commercial Growers 1/	Area in Production *(Thousands)*	Quantity Sold *(Thousands)*	Value of Sales 2/ *(Thousands)*
	Number	Sq. ft.	Blooms	Dollars
CUT FLOWERS				
Carnations - Standard				
1986	7	37	190	40
1987	4	26	91	30
1988	10	25	350	112
1989	19	25	450	144
1990	19	16	351	119
Chrysanthemums - Standard				
1986	40	161	774	448
1987	38	248	655	455
1988	40	123	801	574
1989	44	132	817	626
1990	51	124	715	580
Chrysanthemums - Pompon			Bunches	
1986	51	180	360	612
1987	55	203	478	927
1988	55	190	425	935
1989	48	108	229	545
1990	47	104	182	437
Roses, Hybrid Tea			Blooms	
1986	18	805	13,281	8,447
1987	16	935	14,987	9,757
1988	17	1,004	14,860	10,744
1989	26	1,361	21,395	14,442
1990	25	1,356	22,193	15,002
Roses - Sweetheart				
1986	12	210	4,549	1,970
1987	14	325	6,911	3,379
1988	14	335	6,428	3,310
1989	21	390	6,035	3,229
1990	17	386	6,330	2,943
Other Cut Flowers				
1986	49	858	N/A	822
1987	60	709	N/A	1,366
1988	62	651	N/A	1,686
1989	59	535	N/A	1,536
1990	79	747	N/A	2,113

Table 45. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1986-1990 *(Continued)*

Year	Commercial Growers 1/	Area in Production *(Thousands)*	Quantity Sold *(Thousands)*	Value of Sales 2/ *(Thousands)*
	Number	Sq. ft.	Flats	Dollars
POTTED FLOWERING PLANTS				
African Violets			Pots	
1986	28	143	1,347	1,455
1987	30	485	1,714	3,262
1988	39	284	1,742	1,980
1989	59	320	1,462	2,279
1990	81	250	1,084	2,464
Chrysanthemums *(Excluding Hardy/Garden Mums)*				
1986	111	825	1,628	4,998
1987	130	1,086	1,783	3,925
1988	136	1,100	2,399	5,870
1989	133	1,124	2,413	5,954
1990	143	1,163	1,928	4,819
Finished Florist Azaleas				
1986	57	1,610	1,758	7,120
1987	88	1,137	1,184	4,459
1988	92	1,117	1,731	6,326
1989	110	1,319	2,228	7,015
1990	104	1,731	3,629	9,736
Easter Lilies				
1986	115	305	480	1,824
1987	161	454	428	1,464
1988	163	415	519	2,056
1989	158	370	586	2,376
1990	159	386	607	2,157
Other Lilies				
1986	29	49	53	215
1987	41	44	51	225
1988	49	60	100	433
1989 3/				
1990 3/				
Poinsettias				
1986	206	2,811	2,235	7,778
1987	291	3,256	2,462	7,330
1988	299	2,753	2,252	8,070
1989	263	3,226	2,538	10,390
1990	275	3,815	2,849	10,442
Other Potted Flowering Plants *(Excluding blooming annuals)*				
1986	82	2,815	4,290	6,778
1987	308	1,682	3,892	9,914
1988	296	900	1,867	5,609
1989 3/				
1990 3/				

Table 45. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1986-1990 *(Continued)*

Year	Commercial Growers 1/	Area in Production *(Thousands)*	Quantity Sold *(Thousands)*	Value of Sales 2/ *(Thousands)*
	Number	Sq. ft.	Flats	Dollars
BEDDING/GARDEN PLANTS				
Geraniums, Flats				
1986	86	604	337	2,330
1987	143	345	237	1,773
1988	157	400	290	2,590
1989	155	588	383	4,458
1990	155	414	261	2,947
Other Flowering and Foliar Type, Flats				
1986	304	3,675	2,142	13,130
1987	641	3,694	2,572	16,204
1988	575	3,889	2,707	17,596
1989	475	5,185	3,240	22,583
1990	514	5,945	3,464	24,698
Vegetable Type, Flats				
1986	261	900	494	2,875
1987	522	736	608	3,630
1988	533	751	621	3,906
1989	410	1,120	838	6,109
1990	447	1,239	748	5,685
Hardy/Garden Chrysanthemums, Potted			Pots	
1986	132	1,015	855	1,488
1987	224	871	1,023	2,130
1988	221	781	1,000	1,860
1989	211	1,193	1,353	2,838
1990	248	2,211	1,672	3,100
Geraniums, Potted - Cuttings				
1986	282	2,022	5,340	6,728
1987	449	1,969	7,831	7,703
1988	492	1,705	6,567	7,546
1989	376	2,140	8,222	9,573
1990	408	2,658	8,728	12,418
Geraniums, Potted - Seed				
1986	77	443	1,769	1,380
1987	158	794	3,287	2,221
1988	168	760	3,131	3,235
1989	146	793	2,239	3,525
1990	149	1,302	5,637	5,506
Other Flowering and Foliar Type, Potted				
1986	123	716	2,247	2,382
1987	394	2,036	4,214	5,507
1988	395	1,760	3,860	6,565
1989	216	1,080	3,421	4,825
1990	268	1,235	4,414	6,528

Table 45. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1986-1990 *(Continued)*

Year	Commercial Growers 1/	Area in Production *(Thousands)*	Quantity Sold *(Thousands)*	Value of Sales 2/ *(Thousands)*
	Number	Sq. ft.	Pots	Dollars
BEDDING/GARDEN PLANTS *(Continued)*				
Vegetable Type, Potted				
1986	46	71	162	139
1987	180	527	1,181	914
1988	179	512	1,168	1,381
1989	122	432	944	1,425
1990	148	248	839	1,193
Flowering Hanging Baskets			Baskets	
1986	205	N/A	874	3,819
1987	536	N/A	1,558	6,762
1988	451	N/A	1,381	6,063
1989	479	N/A	1,423	7,784
1990	513	N/A	1,503	9,439
FOLIAGE PLANTS FOR INDOOR OR PATIO USE				
Potted Foliage				
1986	79	454	N/A	3,597
1987	121	443	N/A	1,858
1988	115	452	N/A	2,972
1989	114	363	N/A	2,639
1990	112	339	N/A	2,245
Foliage Hanging Baskets			Baskets	
1986	81	N/A	464	2,014
1987	144	N/A	496	2,078
1988	105	N/A	525	1,853
1989	267	N/A	521	2,860
1990	261	N/A	549	3,003

N/A - Not available.
1/ Includes only growers with sales of $10,000 or more.
2/ Equivalent wholesale value of all crops except potted foliage plants. For potted foliage, value is based on net value of sales.
3/ Not published to avoid disclosure of individual operations.

Table 46. MUSHROOMS: Area, Production, and Value, 1981-1990

Crop Year 1/	Area in production	Production	Price per pound	Value of production
	1,000 sq. ft.	1,000 pounds	Cents	1,000 dollars
1981-82	2,036	4,995	78.8	3,936
1982-83	1,305	2,431	89.4	2,173
1983-84	1,202	2,340	84.9	1,986
1984-85	1,303	2,333	78.9	1,841
1985-86	969	2,119	72.1	1,528
1986-87	836	1,589	80.2	1,274
1987-88	772	1,818	72.7	1,321
1988-89	964	2,610	84.7	2,211
1989-90	590	1,527	70.7	1,079

1/ July 1 to June 30.

Table 47. MAPLE SYRUP: Production and Value, 1981-1991

Crop Year	Syrup made	Average date		Gallons of sap per gallon of syrup	Average price per gallon	Value of production
		First run made	Last run made			
	1,000 gals.			Gallons	Dollars	1,000 dols.
1981	331	Mar. 1	Apr. 1	36	17.60	5,826
1982	320	Mar. 13	Apr. 14	39	17.30	5,536
1983	235	Feb. 26	Apr. 1	44	17.00	3,995
1984	332	Mar. 1	Apr. 6	42	16.90	5,611
1985	315	Mar. 4	Apr. 5	44	17.10	5,387
1986	262	Mar. 11	Apr. 4	39	19.60	5,135
1987	225	Mar. 9	Apr. 4	40	23.30	5,243
1988	310	Mar. 8	Apr. 3	41	23.50	7,285
1989	325	Mar. 15	Apr. 10	39	23.90	7,768
1990	249	Feb. 25	Mar. 29	48	23.70	5,901
1991 1/	308	Feb. 27	Apr. 2	48	23.60	7,269

1/ Preliminary.

DAIRY

Total milk production in New York during 1990, at 11.1 billion pounds, increased fractionally from 1989. The annual average number of milk cows, at a record low 768,000 head, was one percent below the 1989 average. Annual output per cow averaged a record high 14,456 pounds, up one percent from a year earlier.

Cash receipts from the sale of milk during 1990 totaled $1.59 billion, up three percent from the previous year. The $14.60 per hundredweight received for all milk sold wholesale by New York dairy farmers was up 40 cents, or three percent, from the $14.20 received in 1989. Marketings include whole milk and producer-separated cream sold to plants and dealers as well as milk sold directly to consumers.

Dairymen in the state used 217 million pounds of milk on their farms during 1990, compared with 215 million pounds during 1989. About 72 percent of the milk used on farms was fed back to calves. The value of all milk produced including milk fed back to calves totaled $1.63 billion, up three percent from 1989.

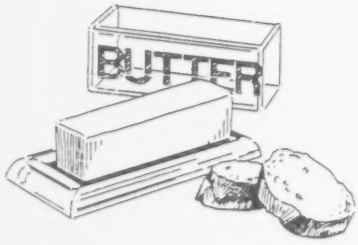
Total cheese production in New York, excluding cottage cheese, totaled 507 million pounds in 1990. This total is up one percent from the 500 million pounds produced in 1989, and only fractionally under the record high 509 million pounds produced in 1988.

Italian cheese, which accounted for 54 percent of the state's total cheese output, fell three percent in 1990 from the previous year's record high 284 million pounds. Compared with 1989, New York's 1990 production of Mozzarella was down seven percent. Butter production dropped 22 percent to 20 million pounds, but New York still retained its sixth place ranking among the producing states.

Cheddar cheese output rose 17 percent to a record high 95 million pounds. Production of cream cheese, up three percent to 108 million pounds, also reached a new record high. Lowfat cottage cheese moved up three percent to a record 69 million pounds. Cottage cheese curd declined four percent from 1989 and creamed cottage cheese fell eight percent, but New York still leads the nation in all three cottage cheese categories.

New York production of frozen products was down three percent from the 1989 total. Ice cream moved down seven percent, while ice milk rose seven percent and milk sherbet climbed 18 percent. Production of water ices was fractionally higher.

Nationally, milk production of 148 billion pounds during 1990 was up three percent from 1989. With over half of the milk going into manufactured products, total U.S. cheese output was 6.06 billion pounds, excluding cottage cheese. This total was up eight percent from a year earlier. Wisconsin remained the leading state with 32 percent of the total output. Italian varieties rose eight percent from 1989 to a record 2.21 billion pounds. American-type cheese production also increased eight percent. Butter and non-fat dry milk output increased fractionally while ice cream production declined two percent.



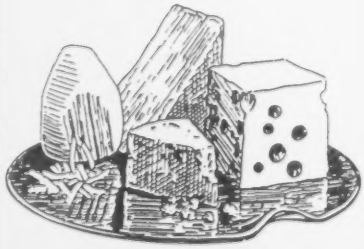


Table 48. MILK: Cows and Production, by Months, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MILK COWS ON FARMS 1/ *(Thousands)*												
1981	915	917	910	908	905	907	906	909	913	913	914	921
1982	918	915	917	916	914	910	910	913	922	928	932	935
1983 2/	929	929	926	923	921	923	926	928	933	935	935	931
1984	920	908	905	896	893	892	895	898	906	909	913	913
1985	905	906	907	902	907	907	912	918	924	928	928	927
1986 3/	923	920	918	917	911	904	895	876	876	867	864	856
1987	852	846	835	830	822	813	814	810	810	811	806	815
1988	816	812	806	798	796	784	788	787	792	782	779	782
1989	780	778	775	774	765	768	768	779	777	777	781	790
1990	782	774	769	766	761	758	755	765	771	767	776	775
1991	768	768	765	755								
MILK PRODUCTION PER COW *(Pounds)*												
1981	1,005	930	1,080	1,080	1,135	1,080	1,025	1,000	950	955	925	980
1982	1,000	930	1,060	1,050	1,115	1,080	1,015	990	945	970	930	990
1983 2/	1,030	950	1,095	1,090	1,140	1,115	1,070	1,030	995	1,015	975	1,045
1984	1,070	1,030	1,125	1,115	1,165	1,120	1,065	1,015	985	1,000	955	1,020
1985	1,055	960	1,110	1,105	1,175	1,135	1,095	1,060	1,020	1,050	1,005	1,065
1986 3/	1,090	1,000	1,150	1,135	1,205	1,140	1,105	1,085	1,045	1,050	1,010	1,085
1987	1,110	1,030	1,195	1,195	1,285	1,235	1,180	1,175	1,120	1,130	1,100	1,165
1988	1,185	1,130	1,250	1,230	1,285	1,275	1,225	1,175	1,145	1,170	1,135	1,215
1989	1,245	1,145	1,300	1,275	1,315	1,220	1,180	1,135	1,105	1,130	1,085	1,135
1990	1,185	1,105	1,260	1,240	1,300	1,260	1,250	1,195	1,155	1,175	1,125	1,205
1991	1,240	1,140	1,280	1,270								
TOTAL MILK PRODUCTION *(Million Pounds)*												
1981	920	853	983	981	1,027	980	929	909	867	872	845	903
1982	918	851	972	962	1,019	983	924	904	871	900	867	926
1983 2/	957	883	1,014	1,006	1,050	1,029	991	956	928	949	912	973
1984	984	935	1,018	999	1,040	999	953	911	892	909	872	931
1985	955	870	1,007	997	1,066	1,029	999	973	942	974	933	987
1986 3/	1,006	920	1,056	1,041	1,098	1,031	989	950	915	910	873	929
1987	946	871	998	992	1,056	1,004	961	952	907	916	887	949
1988	967	918	1,008	982	1,023	1,000	965	925	907	915	884	950
1989	971	891	1,008	987	1,006	937	906	884	859	878	847	897
1990	927	855	969	950	989	955	944	914	891	901	873	934
1991	952	876	979	959								

1/ Excludes heifers not yet fresh. 2/ Dairy Diversion Program April 16, 1983 - March 31, 1985.
3/ Dairy Termination Program April 1, 1986 - August 31, 1987.

Table 49. MILK: Production, Disposition, and Income, 1981-1990

Year	Milk cows 1/	Milk per cow	Total milk production	Disposition of Milk Produced				Prices received 3/	Gross income 4/	Value of milk produced 5/
				Fed to calves	Consumed as fluid milk, cream and butter	Sold whole-sale 2/	Retailed by producers			
	No. thou.	Lbs.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Dollars	Mil. dol.	Mil. dol.
1981	912	12,137	11,069	157	80	10,755	77	13.80	1,513.2	1,525.3
1982	919	12,075	11,097	161	78	10,790	68	13.70	1,504.8	1,526.9
1983	928	12,552	11,648	180	80	11,330	58	13.70	1,577.0	1,601.7
1984	904	12,658	11,443	168	72	11,150	53	13.50	1,527.8	1,550.6
1985	914	12,836	11,732	169	70	11,435	58	12.80	1,486.7	1,508.4
1986	894	13,107	11,718	161	68	11,435	54	12.60	1,462.5	1,482.8
1987	822	13,916	11,439	163	64	11,170	42	12.70	1,436.9	1,457.7
1988	794	14,413	11,444	159	64	11,190	31	12.60	1,426.0	1,446.0
1989	776	14,267	11,071	156	59	10,825	31	14.20	1,554.2	1,576.4
1990	768	14,456	11,102	157	60	10,855	30	14.60	1,602.7	1,625.7

1/ Average number on farms during the year excluding heifers not yet fresh. 2/ Includes milk equivalent of farm skimmed cream sold to plants and dealers. 3/ Prices received for all milk sold wholesale per cwt. 4/ Includes value of milk used for home consumption. 5/ Includes value of milk fed to calves.

Table 50. FEEDING RATE: Grain and Other Concentrates Fed Daily, Per Milk Cow in Herd on First of Month, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						Pounds							
1981	13.6	13.9	14.0	14.0	14.3	13.2	13.0	12.7	12.9	13.1	13.4	13.8	13.49
1982	13.9	14.2	14.2	13.8	13.9	13.5	13.2	13.0	13.4	13.2	13.5	13.9	13.64
1983	14.0	13.9	13.8	14.4	14.3	13.6	13.5	13.3	13.3	12.9	13.0	13.4	13.62
1984	13.4	13.7	13.7	13.8	13.5	13.0	12.5	12.4	12.8	13.1	13.1	13.4	13.20
1985	13.6	13.7	14.1	13.9	14.0	12.9	13.2	12.9	13.1	13.5	13.5	14.1	13.54
1986	14.3	14.2	14.3	14.4	14.4	13.6	13.4	12.9	13.3	13.4	13.9	14.3	13.87
1987	14.2	14.3	14.1	14.6	14.4	14.1	14.1	14.0	13.6	13.7	14.2	14.0	14.11
1988	14.5	14.7	14.7	14.6	15.0	14.3	13.9	13.7	13.9	13.6	13.8	14.6	14.28
1989	14.3	14.6	14.8	14.7	14.9	14.3	14.2	13.8	13.1	14.4	14.6	14.9	14.38
1990	14.5	14.8	16.0	15.6	15.4	15.0	14.8	15.3	15.1	14.8	14.8	15.1	15.10
1991	14.7	15.5	15.9	15.3	15.5								

Table 51. FRESHENING RATE: Cows and Heifers Freshened During the Month, Per 100 Cows in Herd, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						Percent							
1981	6.9	7.0	6.9	6.2	5.0	5.4	6.9	8.5	8.6	8.4	8.2	7.9	85.9
1982	7.1	6.9	6.9	6.9	6.1	5.3	6.8	8.6	9.0	8.3	8.2	7.7	87.8
1983	7.0	7.1	7.3	6.2	5.4	6.3	7.1	8.5	8.9	8.7	8.5	8.0	89.0
1984	7.3	6.7	6.6	5.9	5.3	6.0	7.4	9.5	9.4	8.8	8.2	7.2	88.3
1985	7.1	6.9	7.0	6.7	5.5	6.1	7.4	9.1	9.3	8.1	8.0	7.7	88.9
1986	7.3	7.3	7.2	6.3	5.5	5.8	6.9	8.6	9.6	8.6	8.4	7.8	89.3
1987	7.0	6.7	7.0	6.5	5.4	6.4	6.9	7.9	9.2	8.6	8.4	7.9	87.9
1988	7.4	6.4	6.4	5.8	5.7	6.4	7.5	8.8	9.2	8.0	8.1	7.8	87.5
1989	7.7	6.8	6.8	6.1	5.3	6.3	8.0	9.2	8.9	8.3	8.0	7.9	89.3
1990	7.7	6.5	6.6	6.3	5.3	6.7	7.5	8.9	8.8	8.2	8.1	7.5	88.1
1991	7.3	6.5	6.9	6.1									

Table 52. MILKFAT: Average Test of Milk Sold by Dairy Farmers, by Months, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						Percent							
1981	3.71	3.65	3.63	3.62	3.60	3.52	3.49	3.51	3.57	3.70	3.68	3.68	3.61
1982	3.69	3.65	3.65	3.63	3.58	3.52	3.48	3.50	3.57	3.66	3.69	3.69	3.62
1983	3.67	3.66	3.65	3.65	3.63	3.54	3.50	3.52	3.53	3.66	3.74	3.73	3.62
1984	3.73	3.68	3.71	3.68	3.66	3.57	3.53	3.52	3.62	3.70	3.76	3.75	3.66
1985	3.74	3.73	3.72	3.69	3.62	3.57	3.54	3.54	3.60	3.68	3.75	3.75	3.66
1986	3.73	3.72	3.72	3.67	3.62	3.57	3.55	3.57	3.66	3.73	3.78	3.76	3.67
1987	3.72	3.72	3.70	3.65	3.59	3.51	3.50	3.51	3.64	3.74	3.78	3.73	3.65
1988	3.73	3.71	3.72	3.69	3.65	3.55	3.54	3.52	3.67	3.77	3.81	3.79	3.68
1989	3.77	3.76	3.78	3.74	3.71	3.62	3.55	3.56	3.66	3.76	3.78	3.81	3.71
1990	3.73	3.70	3.70	3.68	3.63	3.55	3.53	3.54	3.61	3.71	3.75	3.73	3.65
1991	3.74	3.72	3.71	3.69									

Table 53. CHEESE: Production, by Months, 1981-1990

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
TOTAL AMERICAN *(Thousand pounds)*													
1981	5,964	5,955	6,081	7,662	8,597	8,550	6,911	5,667	4,675	5,129	4,385	5,038	74,614
1982	5,958	6,180	7,218	6,921	7,442	7,519	6,699	5,975	6,044	5,861	5,200	6,293	77,310
1983	7,217	6,325	6,899	7,296	7,851	8,228	6,938	7,259	6,389	6,747	6,038	6,483	83,670
1984	6,676	6,767	6,931	6,569	7,451	7,386	6,510	6,062	5,278	5,314	4,922	6,262	76,128
1985	7,368	6,889	6,796	7,497	8,226	7,563	7,575	7,509	5,559	5,702	5,629	6,185	82,498
1986	6,986	6,424	6,900	7,889	7,929	7,680	6,927	5,874	5,637	5,220	5,197	5,720	78,383
1987	6,457	6,515	7,478	8,169	9,237	8,496	8,200	6,529	5,891	5,961	5,668	6,949	85,550
1988	7,809	8,277	8,138	8,402	7,961	8,145	6,857	6,307	4,992	5,440	6,176	6,354	84,858
1989	7,535	7,549	8,520	7,972	8,296	7,443	6,857	6,404	5,840	5,995	5,391	5,876	83,678
1990	7,831	8,488	9,536	7,845	8,291	9,042	8,377	7,793	7,356	7,112	7,536	7,368	96,575
TOTAL ITALIAN *(Thousand pounds)*													
1981	13,764	13,199	16,039	13,763	12,603	12,926	11,992	12,440	14,173	14,557	14,425	16,327	166,208
1982	13,760	13,669	17,817	14,433	14,021	14,076	13,183	13,649	14,679	16,951	17,702	17,118	181,058
1983	15,211	16,577	19,268	14,732	16,504	16,653	14,349	17,386	18,444	21,375	21,861	20,679	213,039
1984	19,615	18,774	22,450	21,789	20,388	19,337	17,338	19,040	20,116	22,164	20,912	22,512	244,435
1985	20,016	19,820	23,355	22,231	22,285	20,932	20,829	20,243	20,842	23,827	21,815	23,889	260,084
1986	23,116	23,233	27,072	23,865	24,584	22,685	22,603	22,797	23,595	24,603	23,695	24,249	286,097
1987	21,856	22,133	25,699	25,358	24,753	25,059	23,341	23,595	23,989	25,118	24,008	24,876	299,785
1988	23,975	22,724	26,227	25,160	25,498	23,692	22,034	23,768	24,315	25,474	24,277	26,687	293,831
1989	25,428	23,985	27,976	23,788	26,311	23,790	21,406	22,001	20,878	22,435	22,928	22,679	283,605
1990	23,023	20,985	25,361	25,131	25,817	23,512	21,218	22,630	20,593	22,077	21,668	21,736	273,751
TOTAL CHEESE EXCLUDING COTTAGE *(Thousand pounds)*													
1981	25,051	23,610	30,362	28,784	28,325	29,053	24,782	24,145	27,675	27,232	28,665	32,456	330,140
1982	27,227	25,385	33,169	28,775	28,273	30,516	28,048	26,984	29,578	32,200	31,827	35,927	357,909
1983	29,284	29,802	35,899	30,191	31,444	34,818	28,197	31,213	33,481	35,453	39,266	39,223	398,271
1984	34,165	32,117	37,382	36,603	36,200	34,870	31,337	33,197	32,853	38,131	37,276	39,355	423,486
1985	33,845	33,749	39,212	37,630	38,727	36,908	36,955	34,582	36,054	41,168	39,438	40,758	449,026
1986	38,667	37,416	43,995	41,421	42,333	39,363	39,124	37,323	40,619	42,277	39,760	42,002	484,300
1987	37,013	38,012	43,630	42,558	43,744	44,561	40,818	40,836	41,182	43,327	41,426	43,889	500,996
1988	39,695	40,888	45,690	43,625	44,668	43,257	37,810	41,830	41,639	43,208	42,940	44,122	509,372
1989	43,558	41,273	48,986	41,946	45,138	41,457	38,438	39,398	38,317	40,810	39,954	40,897	500,172
1990	41,299	38,824	47,788	44,551	45,394	44,023	40,978	43,446	38,805	40,436	41,710	39,975	507,229
CREAMED COTTAGE CHEESE *(Thousand pounds)*													
1981	8,799	8,684	10,131	9,302	9,277	9,513	9,863	9,878	9,004	8,545	8,000	7,217	108,213
1982	8,561	8,612	9,933	9,431	10,076	9,682	9,641	9,277	8,688	8,038	7,535	7,456	106,930
1983	8,251	7,866	8,672	8,153	8,824	9,004	9,188	9,170	8,759	8,136	7,581	7,612	101,216
1984	8,745	9,029	9,706	9,637	9,492	10,440	9,678	9,359	9,108	8,272	7,845	7,070	108,381
1985	8,427	8,033	9,095	9,315	9,973	9,177	9,657	9,620	8,667	8,662	7,173	6,946	104,745
1986	8,333	8,112	8,624	9,537	9,618	9,046	8,938	9,024	7,938	8,032	7,055	6,955	101,212
1987	7,777	7,582	8,658	7,796	8,022	8,549	7,821	7,451	7,163	6,591	6,105	6,442	89,957
1988	6,710	6,970	7,710	7,266	7,327	7,328	7,129	7,486	6,662	6,214	6,133	5,500	82,435
1989	6,226	6,127	6,276	6,216	6,818	6,452	5,877	6,740	6,121	5,342	5,147	4,896	72,238
1990	5,421	5,192	5,829	5,407	5,898	5,714	5,652	5,858	5,019	5,195	5,556	5,660	66,401
LOWFAT COTTAGE CHEESE *(Thousand pounds)*													
1981	2,657	3,215	3,942	3,848	3,511	3,747	3,795	3,386	3,351	3,297	2,738	2,756	40,243
1982	2,922	3,667	4,244	3,944	3,772	4,095	4,004	3,747	3,471	3,195	2,991	2,753	42,805
1983	3,412	3,441	3,396	3,580	3,935	3,545	3,568	3,671	3,309	2,974	2,693	2,531	40,055
1984	3,279	3,436	3,691	3,579	4,028	4,331	3,950	4,119	3,028	3,487	2,827	2,838	42,593
1985	3,487	3,565	4,237	3,895	4,773	4,220	3,980	4,525	4,224	4,361	3,412	3,225	47,904
1986	3,952	4,614	4,228	4,686	5,439	5,344	4,958	5,064	4,570	4,694	3,924	4,126	55,599
1987	4,759	5,191	5,212	4,862	4,943	5,352	5,008	4,767	4,339	4,468	3,670	4,012	56,583
1988	4,327	4,937	6,273	5,298	5,716	5,579	5,131	5,572	5,341	4,912	4,517	3,927	61,530
1989	5,663	5,729	5,882	5,501	6,107	6,123	5,637	6,383	5,896	5,090	5,133	4,366	67,510
1990	5,322	5,524	6,302	5,852	6,220	6,302	6,048	6,048	6,032	5,779	5,535	4,492	69,456

Table 54. CHEESE: Production, by Type, 1981-1990

Year	American Type Cheese			Italian Cheese			
	Cheddar	Other American 1/	Total American	Mozzarella	Ricotta	Other Italian 2/	Total Italian
	Thousand pounds						
1981	68,174	6,440	74,614	106,689	49,894	9,625	166,208
1982	71,739	5,571	77,310	117,186	53,529	10,343	181,058
1983	78,542	5,128	83,670	138,210	62,274	12,555	213,039
1984	70,646	5,482	76,128	149,433	75,835	19,167	244,435
1985	76,315	6,183	82,498	158,042	78,764	23,278	260,084
1986	74,599	3,784	78,383	178,442	85,445	22,210	286,097
1987	82,283	3,267	85,550	179,723	86,141	23,921	289,785
1988	82,129	2,729	84,858	177,428	91,380	25,023	293,831
1989	80,983	2,695	83,678	166,658	92,743	24,204	283,605
1990	94,534	2,041	96,575	154,356	95,840	23,555	273,751

Year	Cream cheese	Other cheese excluding cottage 3/	Total cheese excluding cottage	Cottage Cheese		
				Creamed 4/	Lowfat 5/	Curd 6/
1981	69,116	20,202	330,140	108,213	40,243	97,582
1982	77,659	21,882	357,909	106,930	42,805	101,296
1983	80,269	21,293	398,271	101,216	40,055	96,766
1984	80,433	22,490	423,486	108,381	42,593	103,365
1985	83,142	23,302	449,026	104,745	47,904	103,898
1986	95,671	24,149	484,300	101,212	55,599	104,438
1987	99,707	25,954	500,996	89,957	56,583	96,701
1988	103,320	27,363	509,372	82,435	61,530	93,372
1989	105,041	27,848	500,172	72,238	67,510	90,365
1990	108,433	28,470	507,229	66,401	69,456	86,522

1/ Includes Colby, washed curd, stirred curd, Monterey, and Jack.
2/ Includes Provolone, Romano, and other hard and soft types.
3/ Includes Swiss, Brick, Neufchatel, Muenster, Farmers', and other varieties of cheese.
4/ Milkfat content 4.0 percent or more.
5/ Milkfat content from 0.5 percent to 2.0 percent.
6/ Mostly used for processing into fully creamed or lowfat cottage cheese.
Cottage cheese curd, lowfat, and creamed should not be added together to obtain total production.

Table 55. CONDENSED AND DRIED MILK: Production, by Type, 1981-1990

Year	Unsweetened Condensed Milk		Dry buttermilk	Nonfat Dry Milk	Dry Whey		
	Whole milk	Skim milk			Human consumption	Animal feed	Total
	Thousand pounds						
1981	52,412	60,503	3,021	57,021	56,038	30,559	86,597
1982	52,632	49,465	2,059	48,943	57,375	30,407	87,782
1983	45,120	64,163	2,094	83,648	51,558	38,286	89,844
1984	32,017	67,271	1,547	49,446	54,842	22,661	77,503
1985	38,538	64,218	1,686	58,887	70,983	27,890	98,873
1986	38,405	62,701	1,337	52,474	77,397	16,264	93,661
1987	44,488	61,681	1/	23,105	82,786	15,990	98,776
1988	29,354	56,644	1/	12,213	93,345	16,891	110,236
1989	30,471	88,677	1/	11,547	88,363	11,105	99,468
1990	28,161	69,028	1/	16,858	89,206	8,841	98,047

1/ Not published to avoid disclosure of individual operations.

Table 56. DAIRY PRODUCTS: Production, by Months, 1981-1990

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
BUTTER *(Thousand pounds)*													
1981	6,141	5,870	5,304	6,161	6,443	4,839	2,337	2,327	2,117	2,722	1,741	2,496	48,498
1982	5,378	4,685	4,595	4,966	4,259	3,784	2,241	1,975	2,107	3,001	2,636	3,256	42,883
1983	6,310	5,788	5,811	6,163	5,755	4,346	2,803	2,495	2,279	2,525	2,384	3,379	50,038
1984	6,590	5,276	4,750	4,438	4,020	2,607	1,700	1,516	1,474	2,448	1,596	2,586	39,001
1985	4,741	4,299	3,967	4,589	4,615	3,000	2,617	2,241	2,042	3,827	2,445	3,501	41,884
1986	6,318	4,783	4,419	5,319	4,650	3,207	2,134	1,824	1,927	2,104	1,751	2,105	40,541
1987	3,260	2,748	2,996	3,392	3,257	1,801	1,450	1,340	1,580	1,619	1,404	1,992	26,839
1988	3,886	3,300	2,787	2,844	2,493	1,644	1,398	954	1,496	2,833	1,803	1,977	27,415
1989	3,911	3,579	4,333	3,547	2,407	1,446	1,081	994	1,100	1,318	1,022	1,273	26,011
1990	2,058	2,273	1,843	1,859	1,678	1,218	1,201	1,266	1,271	1,792	1,843	1,994	20,296
UNSWEETENED CONDENSED SKIM MILK *(Thousand pounds)*													
1981	4,813	4,449	5,505	5,873	6,241	5,894	6,121	5,471	4,524	4,161	3,422	4,029	60,503
1982	3,889	3,687	4,864	4,599	5,389	4,895	3,703	3,726	3,501	4,193	3,599	3,420	49,465
1983	4,201	4,230	5,515	5,462	6,373	6,687	6,259	6,374	5,265	6,176	3,758	3,863	64,163
1984	5,591	5,437	5,953	6,174	7,891	7,058	4,897	4,699	4,960	5,324	4,558	4,729	67,271
1985	5,462	4,371	6,466	5,500	6,555	6,630	5,438	6,163	4,693	4,660	4,171	4,109	64,218
1986	4,219	4,587	5,490	6,769	6,926	6,631	6,124	5,651	4,474	4,228	3,734	3,868	62,701
1987	4,686	5,412	4,859	5,031	6,436	5,329	5,399	6,113	4,963	4,543	3,788	5,122	61,681
1988	4,518	4,515	4,503	5,480	5,092	4,975	5,247	4,594	4,466	4,914	3,397	4,943	56,644
1989	6,239	8,326	9,888	10,341	10,515	8,001	6,996	5,984	5,109	6,627	5,132	5,519	88,677
1990	5,754	4,680	5,423	5,552	6,803	7,625	6,710	5,615	5,842	5,143	4,845	5,036	69,028
TOTAL NONFAT DRY MILK *(Thousand pounds)*													
1981	3,965	4,647	4,783	7,705	9,374	9,817	5,587	4,063	1,914	1,039	839	3,288	57,021
1982	3,507	3,472	3,830	5,928	7,854	7,333	5,171	1,941	1,541	1,796	1,822	4,748	48,943
1983	6,209	6,807	8,977	9,535	10,035	10,668	8,768	5,398	3,986	3,201	3,715	6,359	83,648
1984	6,914	6,214	6,107	6,423	6,680	5,510	3,968	2,146	1,001	687	689	3,107	49,446
1985	3,367	3,425	3,711	5,795	8,146	7,916	6,083	4,725	2,385	4,156	3,648	5,530	58,887
1986	6,704	4,921	5,561	7,189	8,818	7,056	4,438	2,171	1,345	836	1,013	2,422	52,474
1987	2,110	1,420	2,165	4,433	4,881	3,215	1,521	827	351	328	318	1,536	23,105
1988	1,104	692	935	1,372	1,890	2,601	1,582	169	327	327	267	947	12,213
1989	1,857	897	1,659	1,998	1,277	1,072	791	689	266	197	256	588	11,547
1990	467	757	1,324	2,237	2,275	2,248	1,821	1,350	1,043	551	557	2,228	16,858
ICE CREAM *(Thousand gallons)*													
1981	3,809	4,263	5,341	4,773	5,061	6,724	6,762	6,705	5,776	4,845	4,318	5,360	63,737
1982	3,455	4,209	5,698	4,609	5,250	7,002	6,157	6,244	6,437	4,341	4,388	4,536	62,326
1983	3,709	4,048	5,367	4,003	3,934	5,176	4,543	4,522	4,575	3,493	3,074	3,403	49,847
1984	2,991	3,073	4,649	3,686	4,386	4,814	4,659	4,783	4,011	3,532	3,017	2,865	46,466
1985	3,196	3,106	3,989	3,601	4,700	4,894	4,786	4,844	4,324	3,666	2,970	2,358	46,434
1986	3,202	3,273	3,514	3,757	4,847	4,805	4,669	5,184	4,021	4,198	3,024	2,962	47,456
1987	3,083	3,697	3,722	4,257	4,404	5,044	5,027	4,816	4,001	3,058	2,623	3,252	46,984
1988	2,862	3,031	3,626	4,010	4,184	4,932	5,120	4,368	4,051	3,623	2,985	3,064	45,856
1989	3,464	3,754	4,173	4,219	4,352	4,717	4,686	4,575	3,632	3,329	2,758	2,848	46,507
1990	3,320	3,081	3,612	3,982	4,077	4,159	4,920	3,976	3,414	3,745	2,735	2,221	43,242
ICE MILK *(Thousand gallons)*													
1981	516	618	696	745	989	1,020	1,047	1,031	740	672	560	529	9,163
1982	474	585	829	712	857	1,008	831	875	698	611	521	395	8,396
1983	463	581	748	695	679	745	839	828	683	521	468	409	7,659
1984	700	717	894	929	1,075	1,119	1,070	1,164	789	715	610	527	10,309
1985	418	448	599	668	756	747	851	758	582	504	433	362	7,126
1986	691	540	804	1,317	1,544	1,487	1,488	1,256	903	773	588	494	11,885
1987	755	916	1,140	1,049	1,126	1,276	1,343	1,117	823	785	748	794	11,872
1988	491	780	853	987	1,112	1,233	1,241	1,424	1,239	1,165	802	683	12,010
1989	914	648	1,082	1,144	1,227	1,421	1,233	1,142	1,391	1,202	960	885	13,249
1990	1,124	965	1,203	1,151	1,198	1,339	1,156	1,343	1,216	1,539	984	983	14,201

Table 57. FROZEN DESSERTS AND MIXES: Production, by Type, 1981-1990

Year	Ice Cream	Ice Milk 1/	Milk Sherbet 1/	Water Ices 2/	Mixes		
					Ice Cream	Ice Milk 3/	Sherbet
	Thousand gallons						
1981	63,737	9,163	2,619	3,554	34,998	6,955	1,785
1982	62,326	8,396	2,678	2,526	34,009	6,878	1,758
1983	49,847	7,659	2,206	1,906	27,356	6,068	1,561
1984	46,466	10,309	2,425	2,426	25,563	5,509	1,670
1985	46,434	7,126	3,213	3,161	25,565	3,854	2,181
1986	47,456	11,885	3,485	3,765	26,209	3,968	2,431
1987	46,984	11,872	4,009	5,214	25,398	3,562	2,816
1988	45,856	12,010	1,963	3,400	24,149	3,150	1,430
1989	46,507	13,249	2,456	5,006	24,198	3,456	1,746
1990	43,242	14,201	2,905	5,010	22,159	3,589	2,035

1/ Includes hard, soft-serve, and freezer-made milkshake.
2/ Does not include counter-freezer production.
3/ Includes milkshake mix.

Table 58. DAIRY: Plants Manufacturing Specified Products, 1981-1990

Year	Total cheese				Butter	Condensed skim milk (unsweetened)	Nonfat dry milk	Ice cream (hard)	Water ices	Plants making one or more dairy products
	American	Italian	Excluding cottage	Cottage						
	Number									
1981	15	23	45	16	21	14	12	56	26	147
1982	14	22	41	16	21	11	10	62	24	149
1983	14	24	44	16	21	11	11	70	30	164
1984	16	23	43	14	18	12	9	74	30	171
1985	14	22	43	13	16	13	10	76	28	166
1986	13	21	39	13	15	14	9	73	39	159
1987	12	21	37	14	18	14	9	67	37	153
1988	12	18	36	13	14	10	6	59	29	130
1989	11	18	36	11	12	11	6	49	27	118
1990	11	17	34	9	10	11	6	53	22	129

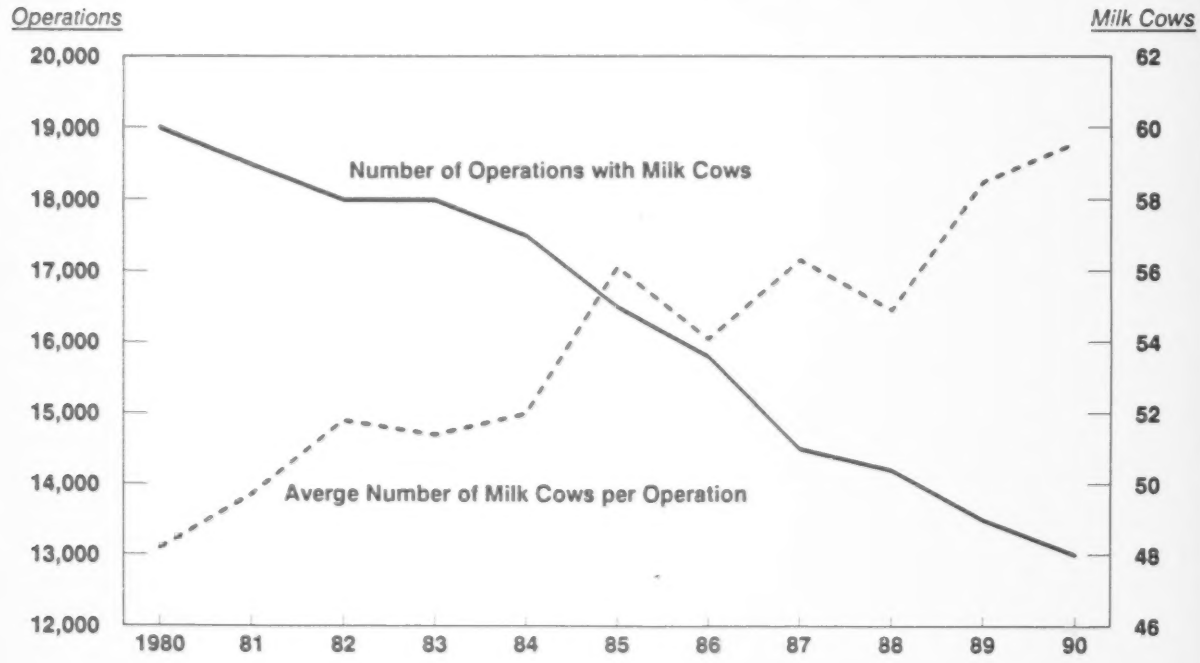
Table 59. MILK COW OPERATIONS: By Herd Size, 1981-1990

Year	Number of milk cows in herd					
	1-9	10-29	30-49	50-99	100 plus	Total
	Number of operations					
1981	3,300	2,620	5,180	5,920	1,480	18,500
1982	3,150	2,500	4,900	5,800	1,650	18,000
1983	3,100	2,400	5,000	5,750	1,750	18,000
1984	3,050	2,350	4,900	5,350	1,850	17,500
1985	2,700	2,300	4,550	5,100	1,850	16,500
1986	2,300	2,000	4,300	5,300	1,900	15,800
1987	1,700	1,600	4,300	5,000	1,900	14,500
1988	1,650	1,550	3,850	5,300	1,850	14,200
1989	1,300	1,400	3,400	5,400	2,000	13,500
1990	1,350	1,300	3,150	5,300	1,900	13,000

Table 60. MILK COWS JANUARY 1: Inventory by Herd Size, 1982-1991

Year	Number of milk cows in herd					
	1-9	10-29	30-49	50-99	100 plus	Total
	Thousand head					
1982	8	52	211	405	244	920
1983	9	52	205	410	256	932
1984	7	48	208	398	264	925
1985	8	48	203	369	282	910
1986	8	49	196	371	301	925
1987	5	37	168	355	290	855
1988	3	29	171	332	281	816
1989	3	27	144	335	271	780
1990	3	27	126	334	300	790
1991	3	25	120	330	297	775

Figure 3. NUMBER OF OPERATIONS WITH MILK COWS AND AVERAGE NUMBER OF MILK COWS PER OPERATION, NEW YORK, 1980-1990



LIVESTOCK AND POULTRY

LIVESTOCK

New York livestock producers marketed 352 million pounds of meat animals during 1990, down four percent from the 1989 total. Cattle and calf marketings were down three percent while hogs decreased 12 percent. Sheep and lambs showed a 12 percent increase over last year's sales. Cash receipts totaling $217 million were up seven percent from 1989.

Gross income from livestock during 1990, which includes the sale of meat animals, wool and the value of home consumption, totaled $227 million, up seven percent from a year earlier. Cattle and calves accounted for 90 percent of this total, hogs and pigs nine percent, and sheep one percent.

Calf prices averaged $104.00 per 100 pounds liveweight in 1990, up six percent from a year earlier. Cattle prices, at $51.10 per 100 pounds liveweight, increased 10 percent from the previous year. The higher prices more than offset a three percent drop in cattle and calf marketings and caused gross income of $204 million to increase seven percent.

Hog and pig prices averaging $49.40 per 100 pounds liveweight through 1990 were up 25 percent from the prior year. This more than offset the 12 percent decrease in hog marketings to bring gross income up to $19.8 million, 10 percent above a year ago.

Sheep and lamb marketings, at 5.24 million pounds during 1990, increased 12 percent from 1989. However, sheep prices moved 12 percent lower while lamb prices fell 18 percent. The increase in marketings was more than offset by lower prices causing the gross income to decrease eight percent from 1989.

Table 61. CATTLE AND CALF OPERATIONS: by Herd Size, 1981-1990

Year	Herd size			
	1-49	50-99	100 plus	Total
	Number of operations			
1981	19,100	7,600	5,300	32,000
1982	19,800	7,530	5,670	33,000
1983	20,400	7,100	5,500	33,000
1984	19,600	6,500	4,900	31,000
1985	18,000	6,300	4,700	29,000
1986	16,500	5,900	4,600	27,000
1987	15,000	5,400	4,600	25,000
1988	13,400	5,600	5,000	24,000
1989	12,300	5,570	5,130	23,000
1990	11,500	5,150	5,350	22,000

Table 62. CATTLE AND CALVES JANUARY 1: by Herd Size, 1982-1991

Year	Herd size				
	1-49	50-99	100-499	500 plus	Total
	Thousand head				
1982	318	610	959	42	1,929
1983	335	589	1,017	54	1,995
1984	339	578	1,008	55	1,980
1985	386	521	946	77	1,930
1986	345	485	902	83	1,815
1987	310	454	871	90	1,725
1988	262	418	888	77	1,645
1989	221	419	798	87	1,525
1990	200	400	832	108	1,540
1991	186	364	868	132	1,550

Table 63. CATTLE AND CALVES: Number on Farms, January 1, Inventory Value and Value per Head, 1981-1991

Year	Cows & heifers that have calved		Heifers 500 lbs. & over			Bulls 500 lbs. & over	Steers 500 lbs. & over	Calves less than 500 lbs.	Cattle & calves on feed	All cattle and calves		
	Kept for milk	Kept for beef	For milk replace-ment	For beef replace-ment	Other heifers					Number	Value per head	Total value
	Thousands									Thous.	Dol.	Thous. dol.
1981	915	110	348	27	37	22	35	337	13	1,831	815	1,492,265
1982	920	100	403	28	37	24	36	381	12	1,929	705	1,359,945
1983	932	93	435	26	41	26	35	407	10	1,995	640	1,276,800
1984	925	95	420	29	34	26	40	411	9	1,980	535	1,059,300
1985	910	85	425	29	39	23	35	384	10	1,930	555	1,071,150
1986	925	71	388	22	36	20	33	320	10	1,815	525	952,875
1987	855	78	355	33	43	19	34	308	17	1,725	555	957,375
1988	816	87	290	25	61	18	43	305	22	1,645	660	1,085,700
1989	780	79	302	24	29	17	32	262	19	1,525	740	1,128,500
1990	790	75	319	24	37	17	25	253	18	1,540	820	1,262,800
1991	775	70	322	22	36	18	30	277	25	1,550	795	1,232,250

Table 64. CATTLE AND CALVES: Production, Disposition, and Income, 1981-1990

Year	Inventory January 1	Calf Crop	Inship-ments	Marketings		Farm slaughter	Deaths		Inventory Jan. 1 following	Gross income 1/
				Cattle	Calves		Cattle	Calves		
	Thousands									Thous. dol.
1981	1,831	930	21	225	481	11	38	98	1,929	162,165
1982	1,929	930	16	235	505	11	36	93	1,995	153,055
1983	1,995	930	14	238	540	13	38	100	1,980	160,356
1984	1,980	910	15	257	575	12	36	95	1,930	173,517
1985	1,930	910	15	257	642	10	36	95	1,815	163,057
1986	1,815	870	14	250	583	9	37	95	1,725	150,243
1987	1,725	860	14	231	590	8	38	87	1,645	179,130
1988	1,645	830	14	230	611	7	30	86	1,525	205,349
1989	1,525	830	15	219	487	6	28	90	1,540	190,919
1990	1,540	810	18	210	484	6	33	85	1,550	204,249

1/ Value of marketings and home consumption.

Table 65. PASTURE: Condition on First of Month, 1981-1990

80 and over, Good to Excellent; 65-79, Poor to Fair;
50-64, Very Poor; 35-49, Severe Drought

Year	May	June	July	August	September	October	November
1981	86	88	92	85	87	91	86
1982	80	83	90	78	77	73	76
1983	81	88	86	64	71	72	81
1984	87	91	89	85	81	84	83
1985	87	84	83	77	63	75	81
1986	86	87	89	89	92	89	88
1987	91	84	83	84	80	88	88
1988	79	89	59	52	60	75	72
1989	74	91	91	78	76	72	73
1990	87	91	89	84	83	81	81

Table 66. CATTLE AND CALVES: Commercial Slaughter, 1981-1990

Year	Number head	Average liveweight	Total liveweight
	Thous.	Pounds	Thous. lb.
CATTLE			
1981	275.6	1,145	315,633
1982	256.3	1,119	286,756
1983	259.0	1,141	295,610
1984	245.9	1,164	286,126
1985	207.5	1,178	244,444
1986	218.9	1,178	257,805
1987	189.3	1,173	222,144
1988	175.6	1,212	212,850
1989	101.3	1,116	113,055
1990	66.3	1,071	71,039
CALVES			
1981	635.8	151	95,893
1982	674.1	145	97,725
1983	635.8	146	92,536
1984	631.6	145	91,627
1985	572.8	138	79,225
1986	523.9	135	70,875
1987	470.5	142	66,993
1988	439.0	143	62,909
1989	394.2	152	60,043
1990	279.6	205	57,252

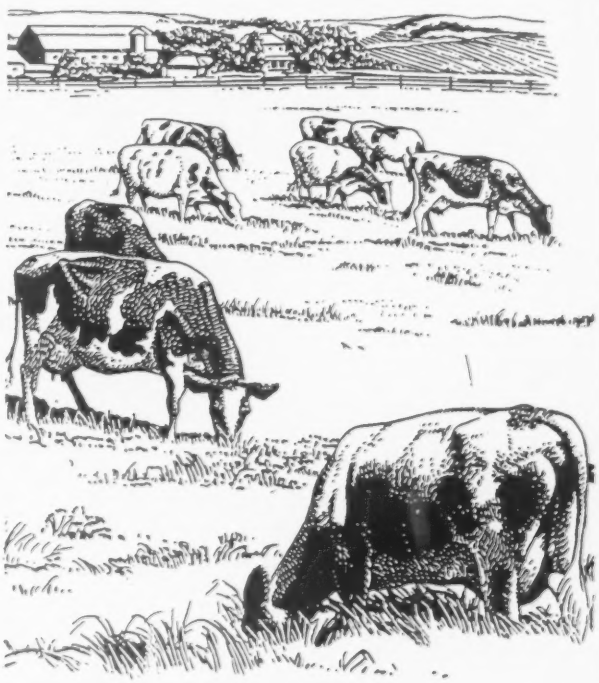


Table 67. CATTLE AND CALVES: Commercial Slaughter, Number of Head, by Months, 1981-1990

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
						Thousands							
CATTLE													
1981	21.4	19.1	21.2	23.0	20.9	22.6	24.2	23.4	26.0	27.8	23.8	22.3	275.6
1982 2/			58.6			57.8			63.2			76.8	256.3
1983	22.4	20.0	24.3	22.6	21.2	19.4	17.9	21.3	20.8	21.8	23.0	24.4	259.0
1984	23.1	20.3	21.7	19.1	21.6	19.3	18.9	22.3	19.2	23.9	19.4	17.0	245.9
1985	17.6	16.0	16.8	17.0	17.7	14.9	16.3	17.7	16.0	20.5	18.8	18.1	207.5
1986	18.4	15.5	16.0	19.7	19.0	16.8	18.5	18.1	17.8	21.6	18.0	19.4	218.9
1987	17.3	15.0	15.0	15.2	14.6	15.2	15.8	14.8	15.8	16.7	15.7	18.2	189.3
1988	15.2	14.3	15.8	14.3	14.4	13.6	13.2	15.5	14.9	15.1	14.4	14.8	175.6
1989	10.9	11.3	9.5	7.6	8.1	7.6	6.3	8.1	7.4	8.3	8.4	7.8	101.3
1990	7.3	6.5	6.7	5.7	6.1	5.3	4.3	4.5	4.4	5.6	5.2	4.7	66.3
CALVES													
1981	51.4	47.6	60.4	55.1	39.8	44.2	52.9	49.9	56.6	60.6	54.0	63.4	635.8
1982 2/			176.0			145.2			166.1			186.9	674.1
1983	47.4	42.6	60.5	43.7	38.8	45.2	47.9	63.2	62.3	58.6	63.5	62.1	635.8
1984	52.8	48.6	61.4	48.9	47.4	42.1	52.2	63.0	51.2	59.8	56.2	48.0	631.6
1985	50.2	43.9	52.5	48.5	42.2	35.8	48.8	51.5	50.3	53.5	46.4	49.2	572.8
1986	47.3	42.8	49.4	45.9	35.2	32.5	45.1	46.9	46.0	46.7	41.1	44.9	523.9
1987	39.6	37.2	49.7	38.5	28.4	32.1	40.7	37.1	41.4	43.5	38.2	44.2	470.5
1988	33.7	33.3	43.8	29.5	27.0	32.8	37.4	45.3	41.8	36.8	38.7	38.7	439.0
1989	35.0	32.2	40.8	26.5	23.2	25.7	29.0	40.3	35.5	37.5	35.4	33.1	394.2
1990	32.7	26.7	36.4	23.1	21.6	19.9	17.2	20.7	18.0	22.7	22.3	18.5	279.6

1/ May not add due to rounding.
2/ Quarterly slaughter January-March, April-June, July-September, and October-December.

Table 68. HOGS AND PIGS: Number on Farms, Inventory Value and Value per Head, December 1, 1981-1990

Year	Hogs and pigs for breeding	Hogs & Pigs for Market					All Hogs & Pigs		
		Total	Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 + lbs.	Number	Value per head	Total value
	Thousands						Thousands	Dollars	Thous. dol.
1981	22	143	51	40	35	17	165	72.50	11,963
1982	18	111	45	27	23	16	129	78.50	10,127
1983	19	114	46	28	24	16	133	68.50	9,111
1984	17	122	47	34	21	20	139	74.50	10,356
1985	17	113	37	29	27	20	130	86.00	11,180
1986	17	111	38	26	25	22	128	100.00	12,800
1987	17	107	41	29	20	17	124	87.50	10,850
1988	21	130	67	31	16	16	151	70.00	10,570
1989	17	107	37	19	34	17	124	80.00	9,920
1990	15	88	37	20	18	13	103	85.00	8,755

Table 69. HOGS AND PIGS: Number of Operations, Production, Disposition, and Income, 1981-1990

Year	Operations with hogs	Inventory Dec. 1 preceding	Pig Crop	Inship-ments	Marketings	Farm slaughter	Deaths	Inventory Dec. 1	Gross income 1/
				Thousands					Thous. dol.
1981	6.5	175	202	1	190	8	15	165	19,970
1982	5.5	165	177	1	193	7	14	129	24,008
1983	6.0	129	186	8	167	8	15	133	18,263
1984	4.7	133	200	5	177	7	15	139	19,240
1985	4.4	139	177	1	161	7	19	130	16,117
1986	3.8	130	158	2	142	6	14	128	15,811
1987	3.6	128	201	2	183	6	18	124	21,218
1988	3.6	124	239	1	188	6	19	151	17,251
1989	3.4	151	199	2	207	6	15	124	17,931
1990	2.9	124	171	2	176	5	13	103	19,771

1/ Value of marketings and home consumption.

Table 70. HOG AND PIG OPERATIONS: by Herd Size, 1986-1990

Number of hogs in herd	Operations				
	1986	1987	1988	1989	1990
	Number				
1-49	3,460	3,230	3,190	3,000	2,580
50-99	150	170	180	170	130
100 plus	190	200	230	230	190
TOTAL	3,800	3,600	3,600	3,400	2,900

Table 71. HOGS AND PIGS DECEMBER 1: by Herd Size, 1986-1990

Number of hogs in herd	Inventory				
	1986	1987	1988	1989	1990
	Thousand head				
1-49	32	29	31	23	19
50-99	13	12	15	11	9
100 plus	83	83	105	90	75
TOTAL	128	124	151	124	103

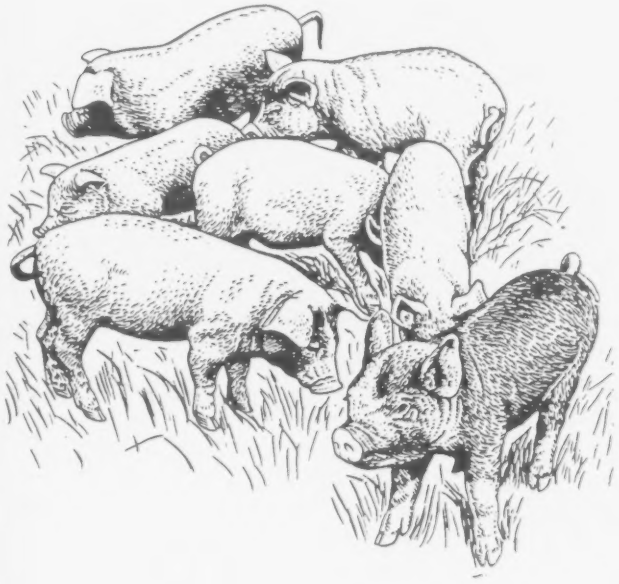


Table 72. HOGS AND PIGS: Commercial Slaughter, 1981-1990

Year	Number head	Average liveweight	Total liveweight
	Thous.	Pounds	Thous. lb.
1981	218.8	230	50,366
1982	55.3	226	12,512
1983	65.8	227	14,932
1984	66.2	230	15,224
1985	83.2	232	19,336
1986	89.9	236	21,261
1987	60.9	233	14,174
1988	63.4	225	14,267
1989	64.6	222	14,335
1990	57.8	231	13,336

Table 73. HOGS AND PIGS: Commercial Slaughter, Number of Head, by Months, 1981-1990

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
	Thousands												
1981	27.6	22.8	25.3	23.6	20.5	20.6	20.2	21.0	14.6	7.5	7.1	8.1	218.8
1982 2/			15.0			13.0			11.8			15.5	55.3
1983	4.8	4.3	4.9	4.6	4.6	5.3	4.7	6.1	5.8	6.8	6.7	7.1	65.8
1984	5.7	4.5	5.2	4.7	5.6	5.0	4.8	5.8	5.3	7.2	6.5	5.8	66.2
1985	5.2	4.4	4.3	4.8	4.5	4.1	5.6	7.9	8.6	10.8	10.5	12.5	83.2
1986	10.6	8.4	9.5	11.1	10.7	8.4	4.3	4.2	4.2	5.0	5.1	8.7	89.9
1987	7.0	4.4	4.4	4.4	4.4	4.3	4.6	4.5	5.5	5.5	5.4	6.6	60.9
1988	4.3	4.4	4.6	4.5	4.3	5.0	4.4	5.7	5.8	5.9	6.0	8.5	63.4
1989	4.7	4.6	4.9	4.3	5.0	5.4	4.6	6.2	5.1	6.0	5.8	8.0	64.6
1990	5.1	3.6	4.2	4.1	4.3	4.2	4.7	5.5	4.7	5.4	4.9	7.0	57.8

1/ May not add due to rounding.
2/ Quarterly Slaughter January-March, April-June, July-September, and October-December.

Table 74. SHEEP AND LAMBS: Number on Farms, Inventory Value and Value per Head, January 1, 1981-1991

Year	All stock sheep	Ewes 1 yr. & older	Rams 1 yr. & older	Ewe lambs	Wether & ram lambs	All Sheep and Lambs		
						Number	Value per head	Total value
			Thousands			Thousands	Dollars	Thous. dol.
1981	69	45	2	14	8	69	73.00	5,037
1982	70	49	2	12	7	70	70.50	4,935
1983	66	46	2	12	6	66	71.00	4,686
1984	61	42	2	11	6	61	67.00	4,087
1985	59	42	2	10	5	59	80.00	4,720
1986	55	40	3	8	4	55	79.50	4,373
1987	64	40	2	15	7	64	78.00	4,992
1988	73	48	2	14	9	73	97.50	7,118
1989	89	57	2	18	12	89	112.00	9,968
1990	92	60	3	18	11	92	96.00	8,832
1991	92	61	3	18	10	92	84.00	7,728

Table 75. SHEEP AND LAMBS: Number of Operations, Production, Disposition, and Income, 1981-1990

Year	Operations with sheep	Inventory January 1	Lamb crop	Inship-ments	Marketings		Farm slaughter	Deaths		Inventory Jan. 1 following	Gross income 1/
					Sheep	Lambs		Sheep	Lambs		
				Thousands							Thous. dol.
1981	2.4	69	58	6	11	34	3	7	8	70	2,174
1982	2.4	70	54	3	16	27	3	6	9	66	1,698
1983	2.2	66	53	4	16	31	2	6	7	61	1,864
1984	2.4	61	51	3	12	31	2	5	6	59	2,031
1985	2.2	59	48	3	11	31	2	5	6	55	2,196
1986	2.0	55	50	3	9	22	1	4	8	64	1,730
1987	2.1	64	48	6	8	24	1	6	6	73	1,978
1988	2.1	73	61	8	10	30	1	6	6	89	2,412
1989	2.2	89	67	4	20	31	1	7	9	92	2,548
1990	2.4	92	64	6	23	32	2	6	7	92	2,337

1/ Value of marketings and home consumption.

Table 76. SHEEP AND LAMBS: Wool Production and Value, 1981-1990

Year	Sheep shorn	Weight per fleece	Wool production	Price per pound	Value
	Head	Pounds	Pounds	Dollars	Dollars
1981	57,000	7.4	422,000	.84	354,000
1982	60,000	7.3	438,000	.53	232,000
1983	59,000	7.3	431,000	.49	211,000
1984	55,000	7.2	396,000	.72	285,000
1985	54,000	7.2	389,000	.52	202,000
1986	53,000	7.1	376,000	.59	222,000
1987	60,000	7.1	426,000	.71	302,000
1988	63,000	7.1	447,000	.88	393,000
1989	68,000	7.0	476,000	.79	376,000
1990	73,000	7.2	525,000	.47	247,000

Table 77. SHEEP AND LAMBS: Commercial Slaughter, 1981-1990

Year	Number head	Average liveweight	Total liveweight
	Thous.	Pounds	Thous. lb.
1981	59.7	98	5,851
1982	53.6	93	4,995
1983	52.8	96	5,062
1984	51.8	93	4,828
1985	52.0	96	4,983
1986	54.4	98	5,333
1987	65.5	98	6,423
1988	96.8	93	9,030
1989	105.9	92	9,755
1990	105.1	98	10,277

Figure 4. SHEEP AND LAMBS MARKETED BY NEW YORK PRODUCERS AND NUMBER SLAUGHTERED IN NEW YORK PLANTS, 1986-1990

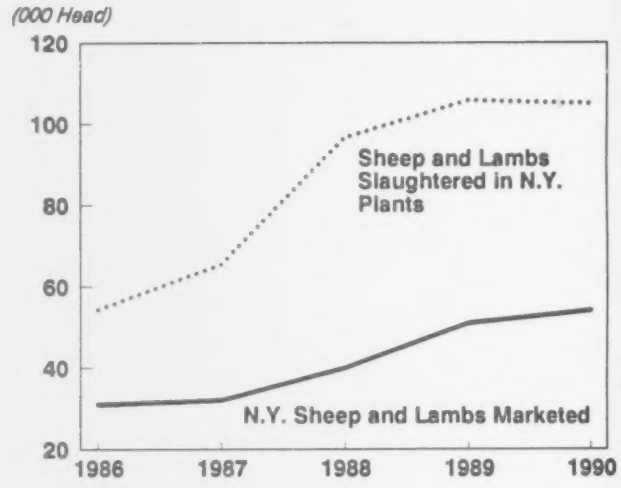


Table 78. SHEEP AND LAMBS: Commercial Slaughter, Number of Head, by Months, 1981-1990

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
	Thousands												
1981	4.6	4.2	4.2	11.2	3.1	3.5	3.7	4.8	5.0	5.4	4.8	5.2	59.7
1982 2/			12.6			16.2			11.7			13.1	53.6
1983	4.6	3.6	6.6	3.5	4.1	3.9	3.6	4.2	4.2	4.8	4.8	5.0	52.8
1984	3.9	3.6	3.7	9.0	4.7	3.5	4.7	4.3	3.8	3.6	3.3	3.7	51.8
1985	2.9	3.0	6.1	5.2	3.7	3.6	4.9	4.7	4.4	4.9	3.9	4.7	52.0
1986	3.2	3.1	7.4	3.4	4.0	3.7	4.7	4.6	5.2	4.4	4.5	6.2	54.4
1987	4.2	4.6	4.8	10.7	3.5	4.2	4.0	4.6	5.7	5.4	6.1	7.7	65.5
1988	5.9	6.3	15.2	8.5	7.3	6.4	6.6	8.2	8.2	8.0	7.2	9.0	96.8
1989	8.0	7.0	15.2	10.7	8.1	8.3	6.9	8.1	9.2	7.9	7.2	9.6	105.9
1990	8.0	7.9	10.1	18.5	9.6	9.8	9.1	9.2	6.3	5.9	5.0	5.7	105.1

1/ May not add due to rounding.
2/ Quarterly slaughter January-March, April-June, July-September, and October-December.

SHEEP AND LAMB LOSSES VALUED AT $1.1 MILLION

New York sheep producers lost 13,000 head of sheep and lambs during 1990, down 19 percent from last year but up eight percent from 1988. Deaths were caused by disease, predators, weather conditions, and other causes. The 13,000 sheep and lambs lost were valued at $1.1 million and represent an 11 percent loss to the State's $10.3 million sheep and wool industry. Losses from predation totaled $247,600 based on inventory value. There were 7,000 lambs and 6,000 sheep lost during the year. On January 1, 1991 there were 92,000 sheep and lambs in the state with an inventory value of $7.73 million. Losses during 1990 were attributed mainly to other losses and disease, with other accounting for 32 percent and disease 20 percent of the total deaths. The losses from predation accounted for 13 percent of the deaths while old age totaled 12 percent. Bad weather conditions accounted for five percent while the remaining 18 percent were due to unknown causes.

Of the 1,700 losses attributed to predation, 65 percent of the sheep and lambs were killed by dogs and 26 percent by coyotes. The remaining nine percent were killed by other animals. This compares with 1,760 predation losses a year earlier of which 69 percent were killed by dogs, and 31 percent by coyotes.

Table 79. SHEEP AND LAMBS: Losses by Cause, 1988-1990

Category	Sheep			Lambs		
	1988	1989	1990	1988	1989	1990
Sheep Inventory/Lamb Crop (head)	89,000	92,000	92,000	61,000	67,000	64,000
Sheep/Lamb Losses (head)	5,000	7,000	6,000	6,000	9,000	7,000
Percent of Losses by Cause:						
Weather (%)	3.4	5.6	1.5	34.0	28.8	8.0
Disease (%)	18.4	18.7	15.0	18.2	27.5	23.6
Old Age (%)	24.3	39.7	25.0	-	-	-
Other (%)	9.3	15.1	25.0	18.5	21.0	38.4
Unknown (%)	19.4	8.6	16.8	20.3	12.7	20.0
Predator (%)	25.2	12.3	16.7	9.0	10.0	10.0
Losses to Predation (head)	1,510	860	1,000	540	900	700
Percent of Losses to Predation:						
Dogs (%)	60.7	83.3	75.0	36.7	54.8	50.0
Coyotes (%)	28.5	16.7	20.0	48.5	45.2	35.7
Other Animals (%)	10.8	-	5.0	14.8	-	14.3
Value of All Losses ($1,000)	651.0	756.0	558.0	595.2	865.8	546.0
Value of Predation Losses ($1,000)	163.8	92.9	93.0	53.6	86.6	54.6
Number of Producers	2,100	2,200	2,400	2,100	2,200	2,400
Number with Sheep/Lambs Lost	830	1,210	1,330	1,150	1,370	1,430
Percent of Producers with Losses by Cause: 1/						
Weather (%)	4.1	3.7	1.5	32.7	27.9	9.1
Disease (%)	18.2	25.4	18.4	26.9	37.0	19.9
Old Age (%)	31.4	37.7	31.2	-	-	-
Other (%)	17.3	32.6	38.3	26.5	28.9	47.2
Unknown (%)	28.0	16.4	22.2	27.8	22.8	36.4
Predator (%)	18.6	12.8	15.8	13.5	11.1	11.2
Number of Producers with Predation Losses	154	155	210	155	150	160
Percent of Producers by Type of Predation Loss: 1/						
Dogs (%)	57.7	74.8	64.3	37.1	57.0	65.6
Coyotes (%)	21.2	26.2	26.2	36.2	51.6	37.5
Other Animals (%)	28.8	-	15.2	26.7	-	6.3

1/ Percents may add to over 100 due to a producer having losses from more than one cause.

Table 80. HONEY: Production and Value 1/, 1986-1990

Year	Colonies of bees	Yield per colony	Production	Price per pound	Total value	Stocks on Dec. 15
	Thous.	Pounds	Thous. lb.	Dollars	Thous. dol.	Thous. lb.
1986	92	32	2,944	.650	1,914	530
1987	90	44	3,960	.660	2,614	1,188
1988	94	59	5,546	.700	3,882	1,109
1989	94	59	5,546	.550	3,050	1,664
1990	81	54	4,374	.650	2,843	1,094

1/ For apiaries with 5 or more colonies.

Table 81. MINK: Females Bred to Produce Kits by Color Class and Pelts Produced by Color Class, 1982-1991

Year	Standard	Pastel	Violet type	Pearl	Demi-Buff	Gunmetal	Pink	Mahogany	Other	Total
					Number					
FEMALES BRED										
1983	9,700	3,900	4,100	2,400	3,600	2,600	2,200	-	1,500	30,000
1984	10,300	3,800	3,100	3,700	1,800	2,400	1,400	-	1,200	27,700
1985	12,200	2,700	2,900	2,300	1,600	1,700	1,500	-	1,300	26,200
1986	12,100	3,100	1,500	1,500	2,200	500	1,800	3,300	1,300	27,300
1987	13,300	2,400	1,300	1,700	1,000	1,000	1,900	1,600	900	25,100
1988	14,100	2,500	1,700	2,000	800	1,900	2,100	1,100	800	27,000
1989	14,500	1,000	2,000	500	4,900	1,300	1,600	1,500	700	28,000
1990	14,200	500	1,700	1,400	3,600	400	1,200	400	600	24,000
1991	12,400	600	200	1/	3,000	500	900	600	500	18,700
PELTS PRODUCED										
1982	34,100	30,300	9,900	9,600	12,600	7,000	6,000	-	4,000	113,500
1983	36,000	15,000	12,100	11,600	9,500	6,400	6,400	-	3,500	100,500
1984	45,400	9,900	14,700	12,500	7,800	6,000	6,900	-	3,800	107,000
1985	44,800	7,200	5,600	4,800	20,000	7,600	5,500	9,000	4,200	108,700
1986	54,000	9,500	5,900	6,200	5,600	1,500	7,900	9,600	3,800	104,000
1987	48,700	9,100	6,100	8,200	2,500	5,500	9,900	6,200	3,200	99,400
1988	55,300	4,000	7,200	3,500	14,400	2,700	7,200	7,600	2,200	104,100
1989	55,300	2,000	5,700	1,200	12,500	3,200	6,200	7,700	3,300	97,100
1990	43,000	3,600	4,500	4,100	2,600	7,800	5,300	900	2,400	74,200

1/ Included with "Other" to avoid disclosure of individual operations.

POULTRY

The combined value of New York produced eggs, broilers, and turkeys plus value of sales for other chickens was $64.4 million for the year ending November 30, 1990. This total is down five percent from a year earlier, but 38 percent more than two years ago. Of the 1990 combined value, 86 percent was derived from eggs, seven percent from turkeys, and six percent from broilers.

Egg production in New York during the 1990 marketing year totaled 975 million, down eight percent from a year earlier. Egg prices rose from 64.4 cents per dozen in 1989 to an average of 68.1 cents in 1990. The increase in price was more than offset by the decreased production resulting in a total value of $55.3 million, three percent below the 1989 egg production value of $57.0 million.

Broiler production in New York totaled 11.0 million pounds in 1990, down 27 percent from the 1989 total. With the average price per pound falling to 33.0 cents, the resulting value of production, at $3.64 million, posted a 33 percent decrease from the previous year.

Statewide turkey production in 1990 amounted to 11.6 million pounds, an increase of 35 percent from 1989. The average price of 39.0 cents per pound was down one cent. Value of production totaled $4.53 million, up 32 percent from 1989.

The number of chickens sold in New York *(excluding broilers)* during 1990 was up five percent from1989. However, this increase was more than offset by lower prices. Sales totaled $928 thousand, down 42 percent from 1989.

Table 82. DUCKS: Production and Value, 1981-1990

Year	Number produced	Pounds produced (Live)	Price per pound (Live)	Value of production
	Thous.	Thous.	Cents	Thous. dol.
1981	4,200	27,700	44.0	12,188
1982	4,450	29,500	45.0	13,275
1983	4,700	31,400	45.0	14,130
1984	4,250	28,800	49.0	14,112
1985	3,950	27,000	51.0	13,770
1986	3,850	26,800	51.0	13,668
1987	2,950	20,700	52.0	10,764
1988	2,350	16,800	53.0	8,904
1989	2,200	15,900	54.0	8,586
1990	1,950	14,200	56.0	7,952

Table 83. TURKEYS: Production and Value, 1981-1990

Year	Number raised	Pounds produced (Live)	Price per pound (Live)	Value of production
	Thous.	Thous.	Cents	Thous. dol.
1981	268	5,869	37.0	2,172
1982	312	6,614	39.0	2,580
1983	332	7,005	39.0	2,732
1984	329	5,790	48.0	2,779
1985	314	6,123	46.0	2,817
1986	343	6,174	45.0	2,778
1987	448	9,677	35.0	3,387
1988	343	6,380	37.0	2,361
1989	400	8,600	40.0	3,440
1990	480	11,616	39.0	4,530

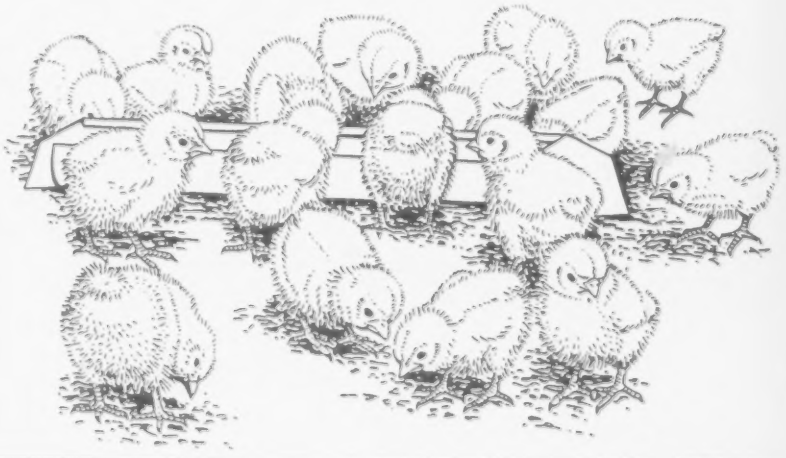


Table 84. CHICKENS: Number on Farms, Inventory Value and Value per Head, December 1, 1981-1990

Year	Hens and pullets of laying age			Pullets over 3 mo. not laying	Pullets under 3 months	Other chickens	All Chickens *(excl. meat chickens)*		
	Hens over 12 months	Pullets of laying age	Total HPLA				Number	Value per head	Total value
				Thousands				Dollars	Thous. dol.
1981	3,700	3,900	7,600	1,450	1,500	50	10,600	1.75	18,550
1982	2,850	4,550	7,400	1,000	1,050	50	9,500	1.90	18,050
1983	2,500	4,200	6,700	1,050	1,200	50	9,000	2.00	18,000
1984	2,900	4,200	7,100	1,200	950	50	9,300	1.95	18,135
1985	2,800	3,700	6,500	700	740	60	8,000	1.85	14,800
1986	2,400	3,200	5,600	500	570	30	6,700	1.70	11,390
1987	1,500	2,800	4,300	480	600	20	5,400	1.85	9,990
1988	1,600	2,550	4,150	410	470	20	5,050	1.85	9,343
1989	1,700	2,100	3,800	520	750	30	5,100	1.95	9,945
1990	1,350	2,350	3,700	470	650	30	4,850	2.00	9,700

Table 85. CHICKENS: Sold and Value of Sales,1981-1990 1/

Year	Number sold	Pounds sold (Live)	Price per lb. (Live)	Value of sales
	Thous.	Thous.	Cents	Thous. dol.
1981	6,750	30,375	7.7	2,339
1982	7,585	31,857	6.7	2,134
1983	6,880	28,896	8.1	2,341
1984	6,900	28,290	12.9	3,649
1985	6,800	26,520	11.4	3,023
1986	5,600	22,960	8.3	1,906
1987	6,500	25,350	7.1	1,800
1988	4,500	17,100	5.2	889
1989	3,700	14,800	10.8	1,598
1990	3,900	15,210	6.1	928

1/ Excludes broilers.

Table 86. BROILERS: Production and Value, 1981-1990 1/

Year	Number produced	Pounds produced	Price per pound	Value of production
	Thous.	Thous.	Cents	Thous. dol.
1981	540	2,430	29.5	717
1982	570	2,451	28.0	686
1983	610	2,684	29.0	778
1984	670	2,948	35.0	1,032
1985	1,750	7,700	31.5	2,426
1986	2,000	9,000	36.0	3,240
1987	2,100	9,450	30.0	2,835
1988	2,500	11,250	34.0	3,825
1989	3,300	15,180	36.0	5,465
1990	2,400	11,040	33.0	3,643

1/ Marketing year for broiler data is preceding December-November.

Table 87. EGGS: Production and Value, 1981-1990 1/

Year	Number of layers	Eggs per layer	Eggs produced	Price per dozen	Value of production
	Thous.	Number	Millions	Cents	Thous. dol.
1981	7,402	251	1,858	56.7	87,791
1982	7,394	251	1,859	55.5	85,979
1983	6,899	252	1,741	57.5	83,423
1984	6,692	256	1,710	70.8	100,890
1985	6,712	255	1,710	55.8	79,515
1986	6,125	249	1,523	59.0	74,881
1987	4,367	255	1,115	49.5	45,994
1988	3,878	261	1,013	47.0	39,676
1989	3,973	268	1,063	64.4	57,048
1990	3,658	267	975	68.1	55,331

1/ Marketing year for eggs is preceding December through November.

Table 88. CHICKENS: Number of Layers and Egg Production, by Months, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
LAYERS *(Thousands)*												
1981	7,625	7,375	7,275	7,400	7,400	7,325	7,400	7,250	7,275	7,375	7,425	7,600
1982	7,625	7,500	-	-	1/7,400	-	-	1/7,300	-	-	1/7,300	7,300
1983	7,050	6,925	6,875	6,938	7,038	6,926	6,775	6,725	6,725	6,750	6,750	6,676
1984	6,676	6,675	6,676	6,700	6,650	6,650	6,725	6,676	6,626	6,675	6,900	7,050
1985	6,976	7,025	6,850	6,500	6,500	6,525	6,550	6,701	6,651	6,625	6,601	6,401
1986	6,300	6,275	6,325	6,350	6,225	6,050	5,975	6,025	6,000	5,875	5,700	5,550
1987	5,100	4,750	4,600	4,050	3,850	4,000	4,000	4,025	4,075	4,150	4,250	4,300
1988	4,100	3,875	3,900	3,900	3,800	3,625	3,575	3,675	3,750	3,925	4,100	4,125
1989	4,075	4,050	4,025	4,025	4,025	4,000	4,050	4,000	3,800	3,725	3,775	3,750
1990	3,650	3,700	3,775	3,700	3,575	3,525	3,625	3,625	3,575	3,675	3,725	3,725
1991	3,751	3,725	3,701	3,700								
EGGS PER LAYER *(Number)*												
1981	20.98	19.12	21.58	21.15	21.89	21.02	21.22	20.97	20.21	20.88	20.61	21.18
1982	20.85	19.20	-	-	1/64.58	-	-	1/63.11	-	-	1/62.43	21.37
1983	20.71	18.77	21.09	20.90	22.17	21.37	21.85	21.56	20.67	21.33	20.59	21.57
1984	21.57	19.93	21.42	20.60	21.35	20.45	21.86	22.47	21.43	22.02	20.87	21.13
1985	21.07	19.07	21.90	21.38	21.85	21.15	21.98	21.64	21.05	21.74	20.91	20.93
1986	20.63	18.80	20.71	20.47	21.37	21.16	21.76	21.24	20.50	20.94	20.18	21.08
1987	21.37	19.37	21.74	21.48	22.08	20.75	22.00	21.86	21.10	21.93	20.94	22.09
1988	22.44	21.42	22.56	21.54	22.11	21.52	22.10	21.50	20.80	21.66	21.46	22.30
1989	22.82	20.74	22.61	22.36	23.35	22.75	22.47	21.75	21.84	22.55	21.99	22.93
1990	22.74	20.00	22.52	22.16	22.66	22.13	22.90	22.62	22.10	22.04	21.74	22.82
1991	22.66	21.21	23.51	21.35								
TOTAL EGG PRODUCTION *(Million Eggs)*												
1981	160	141	157	158	162	154	157	152	147	154	153	161
1982	159	144	-	-	2/478	-	-	2/461	-	-	2/456	156
1983	146	130	145	145	156	148	148	145	139	144	139	144
1984	144	133	143	138	142	136	147	150	142	147	144	149
1985	147	134	150	139	142	138	144	145	140	144	138	134
1986	130	118	131	130	133	128	130	128	123	123	115	117
1987	109	92	100	87	85	83	88	88	86	91	89	95
1988	92	83	88	84	84	78	79	79	78	85	88	92
1989	93	84	91	90	94	91	91	87	83	84	83	86
1990	83	74	85	82	81	78	83	82	79	81	81	85
1991	85	79	87	79								
FORCED MOLT LAYERS BEING MOLTED FIRST OF MONTH *(Percent of All Layers)*												
1981	1.5	1.5	1.0	1.0	2.0	4.0	0.5	0.5	0.5	1.5	1.0	1.0
1982	0.5	2.0	1.0	-	-	2.5	-	-	2.5	-	-	2.0
1983	-	2.5	1.5	1.0	1.0	3.5	1.0	3.5	3.5	1.5	1.5	2.0
1984	1.0	1.0	2.0	2.5	4.0	3.5	0.5	0.5	1.0	2.0	2.0	2.0
1985	1.5	2.5	1.0	4.0	3.0	2.0	4.5	2.0	0.5	3.0	8.5	3.0
1986	2.0	7.5	7.5	1.0	1.0	2.0	2.5	5.0	1.0	1.5	0.5	3.0
1987	2.0	2.5	3.0	5.0	3.0	4.0	8.5	2.0	2.0	2.0	0.5	0.5
1988	2.5	0.5	1.5	0.5	3.0	2.5	1.5	1.5	1.5	2.5	7.0	5.0
1989	2.0	1.0	2.5	1.0	0.5	1.5	4.5	6.0	2.0	4.5	0.5	3.0
1990	4.0	2.0	1.5	0.5	2.5	2.5	1.0	1.0	0.5	3.0	2.0	2.0
1991	1.5	1.5	2.0	3.5	9.5							
FORCED MOLT LAYERS WITH MOLT COMPLETED FIRST OF MONTH *(Percent of All Layers)*												
1981	7.5	7.5	7.0	4.5	5.0	4.0	6.5	6.5	4.0	3.5	2.5	5.5
1982	6.0	8.0	10.0	-	-	9.0	-	-	5.5	-	-	8.5
1983	-	8.0	6.0	5.5	7.5	8.5	7.5	8.5	8.0	9.0	9.0	10.0
1984	9.0	10.0	11.5	11.0	12.0	8.5	7.5	7.0	7.0	5.5	4.0	8.0
1985	7.5	6.5	8.5	8.0	7.5	6.3	8.5	7.0	10.0	11.0	12.0	12.0
1986	12.0	9.5	13.0	12.0	13.0	14.5	17.5	17.5	18.5	17.5	17.0	14.5
1987	16.5	12.5	12.5	12.0	4.5	5.5	4.5	8.0	9.5	8.5	9.0	7.5
1988	8.0	9.5	8.0	6.5	6.5	5.5	6.0	6.5	6.0	4.0	3.5	6.5
1989	5.5	7.5	8.0	7.0	7.0	7.0	7.0	7.5	13.0	12.0	11.0	11.0
1990	12.0	11.0	9.5	11.0	10.5	3.5	4.0	5.0	5.0	6.0	5.5	7.5
1991	5.5	5.5	7.5	8.0	11.5							

1/ Quarterly average layers and eggs per layer March-May, June-August, and September-November.
2/ Quarterly egg production March-May, June-August and September-November.

OTHER AGRICULTURAL STATISTICS

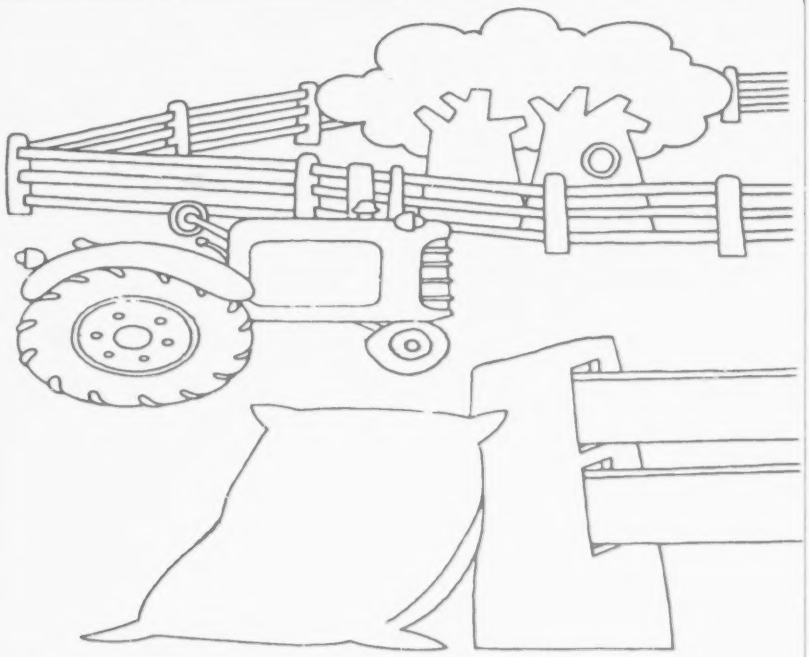
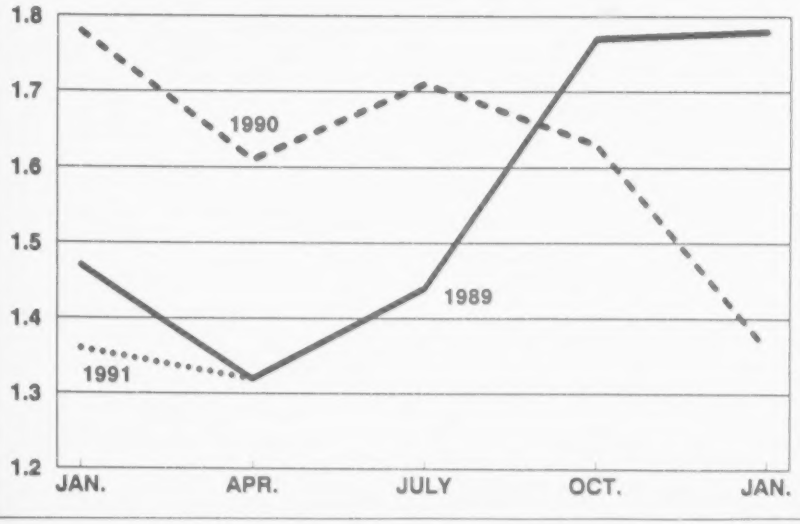


Figure 5. MILK-FEED PRICE RATIO QUARTERLY, NEW YORK, 1989 TO DATE



PRICES

During 1990, New York farmers found feed grain prices relatively low but not down to the extremely low prices they experienced three to four years ago. The price they had to pay for mixed feeds averaged three to six percent below a year earlier and generally the lowest since 1987. On the other hand, prices they received for cattle, calves, hogs, eggs, and milk were at or near record highs.

New York milk output during 1990 was up 0.3 percent from a year earlier while the average price reached a record high $14.60 per hundredweight due to counter seasonal price trends. As a result of high milk prices the first three quarters of the year and relatively low feed prices, the annual average milk-feed price ratio climbed to 1.68, the highest since 1987.

The milk-feed price ratio is an indicator of the profitableness of producing milk. It does not tell whether an individual milk producer makes or loses money because it only takes two variables, milk price and feed price, into account. As can be seen in Figure 5, the profitableness of producing milk in the Empire State has been declining since July 1990. The April 1991 ratio, at 1.32, is the same as the low reached two years ago.

The relationship between the prices dairymen pay for commodities used in production and the prices they receive is best expressed by the Index of Prices Paid by Dairy Farmers and the Index of Prices Received for Milk. Both of these indexes for 1990 averaged above a year earlier. However, since November, the Index of Prices Received for milk has fallen to the lowest level in 13 years, while the Prices Paid Index remains at its record high level.

Table 89. DAIRY FARM PRICE INDEXES: Prices Received and Prices Paid, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
INDEX OF PRICES RECEIVED FOR MILK, SEASONALLY ADJUSTED *(1977 = 100)*													
1981	138	141	142	144	144	144	140	137	136	135	137	139	140
1982	137	139	140	142	142	142	139	136	135	135	137	139	139
1983	137	140	140	142	142	141	138	136	135	134	136	135	138
1984	134	134	135	137	138	138	135	134	135	135	139	138	136
1985	137	137	135	135	132	129	126	123	122	121	123	124	129
1986	123	124	123	125	126	126	125	125	126	128	131	132	126
1987	131	130	128	128	127	127	126	124	126	125	127	126	127
1988	124	123	121	121	120	120	119	120	123	126	131	135	124
1989	133	131	128	128	128	130	130	133	138	143	152	159	136
1990	155	148	144	141	143	148	147	143	140	127	125	116	140
1991	114	115	116	119									
INDEX OF PRICES PAID BY DAIRY FARMERS 1/ *(1977 = 100)*													
1981	151	150	150	149	149	150	148	148	149	148	149	148	149
1982	147	149	148	148	150	149	151	149	147	147	148	148	148
1983	149	149	149	153	159	159	159	160	169	169	170	164	159
1984	164	163	164	164	164	164	162	160	160	160	160	158	162
1985	159	159	158	151	150	149	148	149	147	149	150	151	152
1986	152	151	-	158	-	-	154	-	-	152	-	-	154
1987	149	-	-	150	-	-	152	-	-	149	-	-	150
1988	153	-	-	156	-	-	164	-	-	165	-	-	159
1989	166	-	-	169	-	-	167	-	-	168	-	-	168
1990	171	-	-	168	-	-	168	-	-	172	-	-	170
1991	172	-	-	171									
RATIO OF INDEX OF PRICES RECEIVED FOR MILK TO INDEX OF PRICES PAID BY DAIRY FARMERS													
1981	91	94	95	97	97	96	95	93	91	91	92	94	94
1982	93	93	95	96	95	95	92	91	92	92	93	94	94
1983	92	94	94	93	89	89	87	85	80	79	80	82	87
1984	82	82	82	84	84	84	83	84	84	84	87	87	84
1985	86	86	85	89	88	87	85	83	83	81	82	82	85
1986	81	82	2/81	79	2/80	2/80	81	2/81	2/82	84	2/86	2/87	82
1987	88	2/87	2/86	85	2/85	2/85	83	2/82	2/83	84	2/85	2/85	85
1988	81	2/80	2/79	78	2/77	2/77	73	2/73	2/75	76	2/79	2/82	78
1989	80	2/79	2/77	76	2/76	2/77	78	2/80	2/83	85	2/90	2/95	81
1990	91	2/87	2/84	84	2/85	2/88	88	2/85	2/83	74	2/73	2/67	82
1991	66	2/67	2/67	70									

1/ The index is adjusted to include the dairy assessment from April 16, 1983-March 31, 1985 and the Food Security Act assessment from April 1, 1986-August 31, 1987. 2/ Ratio derived using the most recent prices paid index.

Table 90. CONSUMER PRICE INDEX (CPI-U): All Urban Consumers, City Average, Unadjusted, United States, 1981 to Date 1/ *(1982-84 = 100)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
1981	87.0	87.9	88.5	89.1	89.8	90.6	91.6	92.3	93.2	93.4	93.7	94.0	90.9
1982	94.3	94.6	94.5	94.9	95.8	97.0	97.5	97.7	97.9	98.2	98.0	97.6	96.5
1983	97.8	97.9	97.9	98.6	99.2	99.5	99.9	100.2	100.7	101.0	101.2	101.3	99.6
1984	101.9	102.4	102.6	103.1	103.4	103.7	104.1	104.5	105.0	105.3	105.3	105.3	103.9
1985	105.5	106.0	106.4	106.9	107.3	107.6	107.8	108.0	108.3	108.7	109.0	109.3	107.6
1986	109.6	109.3	108.8	108.6	108.9	109.5	109.5	109.7	110.2	110.3	110.4	110.5	109.6
1987	111.2	111.6	112.1	112.7	113.1	113.5	113.8	114.4	115.0	115.3	115.4	115.4	113.6
1988	115.7	116.0	116.5	117.1	117.5	118.0	118.5	119.0	119.8	120.2	120.3	120.5	118.3
1989	121.1	121.6	122.3	123.1	123.8	124.1	124.4	124.6	125.0	125.6	125.9	126.1	124.0
1990	127.4	128.0	128.7	128.9	129.2	129.9	130.4	131.6	132.7	133.5	133.8	133.8	130.7
1991	134.6	134.8	135.0	135.2									

1/ Bureau of Labor Statistics, U.S. Department of Labor.

Table 91. FEED PRICE RATIO: Hogs, Monthly and Annual Average, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg. 1/
HOG - CORN PRICE RATIO 2/													
1981	11.8	11.5	10.9	10.5	11.6	12.8	13.9	15.8	17.4	16.5	17.3	15.1	13.8
1982	16.9	18.1	18.0	19.3	20.5	20.5	20.2	22.0	22.4	23.0	20.9	21.3	20.3
1983	21.0	21.0	16.4	14.3	13.6	12.8	12.4	13.0	11.5	11.7	11.0	13.1	14.3
1984	13.1	13.6	12.6	12.6	12.6	13.1	13.7	13.6	12.7	14.4	17.2	16.8	13.8
1985	16.8	16.3	14.9	13.6	13.7	14.6	15.4	15.6	14.6	17.4	17.2	16.9	15.6
1986	17.2	16.8	14.5	15.4	17.6	19.6	24.6	29.1	28.7	29.4	32.7	29.4	22.9
1987	27.1	24.3	26.6	27.2	27.7	28.1	29.6	31.5	26.9	25.3	22.6	21.3	26.5
1988	21.6	21.1	19.5	18.5	19.3	16.4	13.5	14.2	12.8	13.1	12.9	13.0	16.3
1989	13.2	13.5	12.9	12.1	13.8	14.7	15.6	15.4	14.7	17.3	17.3	17.5	14.8
1990	15.4	16.5	17.8	17.7	17.5	17.5	17.0	16.5	16.6	19.1	20.5	18.1	17.5
1991	18.0	20.3	18.8	19.1									

1/ Simple average of monthly ratios.
2/ Bushels of corn equal in value to 100 pounds of hog liveweight.

Table 91. FEED PRICE RATIOS: Milk and Eggs, Quarterly and Annual Average, 1981 to Date

Year	Jan.	Apr.	July	Oct.	Annual avg. 1/	Jan.	Apr.	July	Oct.	Annual avg. 1/
	MILK - FEED PRICE RATIO 2/					EGG - FEED PRICE RATIO 3/				
1981	1.33	1.35	1.42	1.57	1.42	5.1	4.9	5.0	5.9	5.2
1982	1.58	1.48	1.50	1.67	1.56	6.9	6.0	5.0	5.9	6.0
1983	1.60	1.47	1.44	1.36	1.47	4.8	5.1	4.8	5.6	5.1
1984	1.30	1.26	1.35	1.58	1.37	8.8	7.7	5.4	5.0	6.7
1985	1.63	1.52	1.53	1.67	1.59	5.0	5.2	5.7	6.9	5.7
1986 4/	1.49	1.41	1.53	1.79	1.56	6.5	6.2	6.6	7.1	6.6
1987	1.73	1.60	1.59	1.78	1.68	6.9	5.8	4.9	6.1	5.9
1988	1.54	1.39	1.19	1.44	1.39	4.9	4.5	5.2	4.8	4.9
1989	1.47	1.32	1.44	1.77	1.50	5.2	6.3	5.6	7.1	6.1
1990	1.78	1.61	1.71	1.63	1.68	8.0	7.1	5.5	7.4	7.0
1991	1.36	1.32				7.7	6.7			

1/ Simple average of quarterly ratios.
2/ Pounds of 16 percent dairy feed equal in value to 1 pound of milk.
3/ Pounds of laying feed equal in value to 1 dozen eggs.
4/ Starting with April 1986, ratios shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.

Table 92. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Season Average, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season avg. 1/
WHEAT *(Dollars per bushel)*													
1981	4.43	4.38	4.39	4.09	4.18	3.85	3.12	3.11	3.24	3.14	3.22	3.77	3.20
1982	3.34	3.40	3.18	3.38	3.19	3.03	3.24	3.37	3.51	3.31	3.19	3.20	3.30
1983	3.20	3.29	3.15	3.23	3.29	3.35	3.23	3.42	3.39	3.36	3.46	3.50	3.30
1984	3.28	3.31	3.32	3.41	3.50	3.43	3.20	3.19	3.21	3.27	3.37	3.35	3.25
1985	3.30	3.42	3.39	3.35	3.34	3.09	2.85	2.70	2.59	2.66	2.80	3.07	2.80
1986	2.92	2.90	2.90	2.88	3.15	2.95	2.22	2.05	2.08	2.26	2.24	2.43	2.25
1987	2.50	2.57	2.60	2.55	2.70	2.72	2.45	2.35	2.56	2.90	2.97	3.10	2.60
1988	3.12	3.37	3.10	3.50	3.30	2.89	3.31	3.41	3.71	3.55	3.75	3.70	3.50
1989	3.98	3.93	3.70	3.94	3.70	3.37	3.26	3.37	3.55	3.95	3.88	3.97	3.45
1990	3.98	3.84	3.92	3.63	3.63	3.48	2.80	2.62	2.41	2.52	2.34	2.44	2.65
1991	2.47	2.53	2.84	2.43									
OATS *(Dollars per bushel)*													
1981	2.36	2.37	2.25	2.38	2.39	2.42	1.84	1.73	1.75	1.88	1.89	1.97	1.90
1982	2.06	2.10	2.10	1.99	2.00	1.98	1.92	1.46	1.51	1.53	1.62	1.66	1.57
1983	1.59	1.57	1.56	1.55	1.55	1.55	1.56	1.58	1.74	1.91	1.97	2.06	1.94
1984	2.20	2.22	2.14	2.26	2.14	2.23	2.25	1.95	1.85	2.05	1.96	2.07	1.95
1985	2.04	2.09	1.98	1.87	1.80	1.70	1.34	1.03	1.12	1.16	.98	1.02	1.09
1986	1.06	1.10	1.07	1.09	1.02	1.14	.96	.75	.94	.87	1.07	1.15	1.15
1987	1.40	1.51	1.40	1.46	1.64	1.65	1.28	1.20	1.39	1.58	1.48	1.75	1.60
1988	1.72	1.84	1.82	1.79	1.81	2.37	2.11	2.03	2.20	2.24	2.23	2.21	2.20
1989	2.46	2.27	2.14	2.39	1.93	1.61	1.32	1.22	1.26	1.30	1.31	1.57	1.35
1990	1.54	1.46	1.55	1.55	1.37	1.39	1.34	1.18	1.36	1.40	1.49	1.35	1.45
1991	1.56	1.57	1.35	1.44									
CORN *(Dollars per bushel)*													
1981	3.53	3.63	3.62	3.73	3.55	3.72	3.48	3.13	2.81	2.66	2.45	2.62	2.66
1982	2.62	2.68	2.70	2.67	2.77	2.81	2.87	2.80	2.67	2.41	2.44	2.48	2.95
1983	2.60	2.63	2.94	3.20	3.34	3.48	3.55	3.66	3.84	3.51	3.43	3.48	3.54
1984	3.47	3.35	3.58	3.61	3.60	3.67	3.70	3.61	3.65	2.98	2.74	2.78	2.85
1985	2.82	2.86	2.88	2.88	2.89	2.90	2.85	2.70	2.70	2.44	2.46	2.62	2.45
1986	2.56	2.50	2.64	2.49	2.51	2.55	2.25	2.04	1.96	1.75	1.53	1.64	1.76
1987	1.67	1.89	1.67	1.74	1.88	1.97	1.90	1.79	1.89	1.82	1.71	1.78	1.85
1988	1.91	2.04	2.02	2.10	2.25	2.71	3.06	3.01	2.96	2.80	2.80	2.94	2.85
1989	2.96	2.81	2.85	2.85	2.76	2.79	2.73	2.80	2.71	2.53	2.42	2.55	2.60
1990	2.85	2.67	2.64	2.76	3.13	3.18	3.25	3.20	3.07	2.70	2.27	2.35	2.45
1991	2.51	2.38	2.48	2.50									
APPLES, COMMERCIAL CROP FOR FRESH CONSUMPTION *(Dollars per cwt.)*													
1981	17.20	17.70	18.40	18.50	19.20	20.00	19.00	18.50	20.50	19.50	21.00	20.00	21.00
1982	21.00	21.50	21.00	23.00	24.00	24.00	16.00	16.00	14.50	13.50	13.50	14.60	14.50
1983	14.40	14.60	15.00	14.50	15.00	15.00	14.00	14.00	18.00	15.80	15.30	17.00	16.90
1984	17.00	18.00	17.50	18.00	18.00	18.00	-	16.00	19.20	21.10	19.00	20.00	20.10
1985 2/	20.50	19.50	19.50	20.00	21.00	21.00	-	-	12.50	11.20	11.20	11.70	11.50
1986	12.40	12.00	11.00	10.90	11.80	11.80	-	-	17.50	16.80	16.20	15.80	16.50
1987	17.40	16.40	15.80	15.90	16.70	17.00	-	-	12.20	13.00	13.90	13.40	13.70
1988	13.40	14.40	14.70	14.50	-	-	-	-	17.00	15.80	14.40	14.20	15.30
1989	15.00	15.90	16.30	15.00	15.00	15.00	-	-	18.70	13.30	12.90	13.90	14.80
1990	14.00	14.60	15.40	15.00	15.00	-	-	-	22.20	15.40	15.40	16.10	14.70
1991	16.50	18.10	18.10	18.70									

1/ Season average price based on marketing year, not calendar year. (Wheat and Oats: July of crop year through June of following year. Corn: October through September. Apples: July through June.)
2/ Starting July 1985, price is equivalent packinghouse door rather than price at point of first sale.

Table 92. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Season Average, 1981 to Date (*Continued*)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season avg. 1/
ALL HAY BALED *(Dollars per ton)*													
1981	61.00	68.00	68.00	65.00	63.50	64.00	64.50	64.00	67.00	67.00	66.00	67.00	69.00
1982	71.00	74.00	76.00	78.00	75.00	74.00	74.00	73.00	75.00	78.00	78.00	77.00	77.00
1983	77.00	78.00	81.00	80.00	80.00	76.00	77.00	77.00	80.00	80.00	80.00	82.00	82.00
1984	83.00	87.00	90.00	88.00	87.00	80.00	80.00	81.00	82.00	82.00	83.00	85.00	81.50
1985	82.00	80.00	82.00	80.00	81.00	77.00	72.00	71.00	76.00	76.00	75.00	76.00	75.50
1986	77.00	76.00	77.00	76.00	78.00	80.00	79.00	79.00	78.00	74.00	68.00	67.00	70.50
1987	64.00	63.00	66.00	67.00	64.00	62.00	64.00	61.00	75.00	73.00	75.00	76.00	72.00
1988	76.00	76.00	81.00	76.00	66.00	69.00	75.00	69.00	72.00	78.00	87.00	97.00	75.50
1989	77.00	73.00	78.00	76.00	75.00	80.00	64.00	61.00	67.00	83.00	76.00	81.00	75.50
1990	86.00	78.00	74.00	76.00	75.00	73.00	74.00	63.00	70.00	85.00	82.00	79.00	79.50
1991	83.00	83.00	79.00	78.00									
ALFALFA HAY BALED *(Dollars per ton*													
1981	66.00	70.00	70.00	68.00	66.50	67.00	67.00	66.00	68.00	70.00	68.00	70.00	2/
1982	74.00	78.00	81.00	82.00	79.00	78.00	77.00	79.00	81.00	83.00	82.00	81.00	2/
1983	84.00	86.00	87.00	85.00	84.00	82.00	82.00	82.00	86.00	88.00	87.00	89.00	2/
1984	90.00	95.00	96.00	96.00	92.00	83.00	83.00	85.00	88.00	87.00	87.00	90.00	2/
1985	88.00	88.00	89.00	87.00	87.00	83.00	78.00	79.00	84.00	85.00	85.00	87.00	2/
1986	89.00	89.00	87.00	84.00	86.00	87.00	87.00	85.00	81.00	78.00	72.00	71.00	2/
1987	70.00	70.00	73.00	77.00	78.00	76.00	70.00	65.00	80.00	81.00	90.00	82.00	2/
1988	82.00	82.00	85.00	80.00	78.00	80.00	82.00	81.00	89.00	100.00	107.00	117.00	2/
1989	95.00	80.00	94.00	86.00	88.00	93.00	70.00	63.00	86.00	96.00	97.00	96.00	88.00
1990	96.00	90.00	85.00	90.00	85.00	85.00	84.00	69.00	78.00	97.00	87.00	86.00	85.50
1991	90.00	90.00	85.00	85.00									
OTHER HAY BALED *(Dollars per ton)*													
1981	56.00	63.50	62.00	61.00	60.50	61.00	62.00	60.00	64.00	63.00	63.00	64.00	2/
1982	68.00	70.00	72.00	73.00	71.00	70.00	70.00	67.00	70.00	73.00	72.00	72.00	2/
1983	72.00	73.00	75.00	75.00	74.00	72.00	72.00	69.00	73.00	74.00	74.00	75.00	2/
1984	76.00	79.00	80.00	80.00	79.00	77.00	77.00	76.00	78.00	77.00	77.00	77.00	2/
1985	72.00	72.00	75.00	71.00	71.00	68.00	63.00	60.00	63.00	65.00	65.00	65.00	2/
1986	64.00	66.00	71.00	70.00	72.00	73.00	71.00	71.00	72.00	67.00	63.00	63.00	2/
1987	59.00	59.00	58.00	54.00	55.00	56.00	54.00	55.00	70.00	60.00	60.00	62.00	2/
1988	62.00	64.00	67.00	72.00	54.00	58.00	52.00	55.00	51.00	55.00	66.00	61.00	2/
1989	59.00	55.00	61.00	68.00	64.00	68.00	55.00	59.00	57.00	63.00	55.00	53.00	60.50
1990	63.00	64.00	61.00	59.00	68.00	54.00	59.00	59.00	64.00	67.00	68.00	67.00	64.00
1991	73.00	72.00	66.00	68.00									
CABBAGE, UPSTATE, FRESH MARKET *(Dollars per cwt. f.o.b. shipping point)*													
1981	11.00	10.50	9.80	9.80	11.70	8.70	7.30	5.76	6.70	7.00	6.80	6.80	8.25
1982	9.70	10.20	8.95	10.30	-	14.00	13.00	6.60	7.10	7.00	6.40	6.20	6.93
1983	6.10	5.80	5.60	6.10	6.10	11.30	10.70	12.90	13.40	10.40	8.80	11.30	18.90
1984	24.30	30.70	40.30	-	-	18.50	8.60	5.70	5.00	5.00	5.20	5.50	8.25
1985	8.80	8.55	12.00	13.20	-	7.55	7.00	4.50	5.80	4.65	5.90	6.70	7.20
1986	9.10	8.50	8.30	8.85	-	10.60	14.10	10.40	11.40	10.80	10.50	13.00	10.70
1987	10.50	9.40	10.90	9.55	17.90	15.10	9.90	11.60	10.20	9.50	8.85	8.00	9.50
1988	7.90	7.15	7.85	9.60	-	14.20	16.40	12.30	13.90	12.90	12.10	11.60	12.90
1989	9.80	9.00	9.65	11.10	17.40	-	10.10	9.10	8.90	8.60	7.30	11.10	12.10
1990	17.60	16.00	15.60	10.90	-	-	8.00	6.70	6.80	7.70	8.30	7.80	7.70
1991	9.00	7.40	7.30	7.70									

1/ Season average price based on marketing year, not calendar year.
(Hay: June of crop year through May of following year. Cabbage: June through May.)
2/ Not available.

Table 92. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Season Average, 1981 to Date (*Continued*)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season avg. 1/
ONIONS (Fresh Market) *(Dollars per cwt. f.o.b. shipping point)*													
1981	17.30	18.60	22.90	22.00	22.00	22.00	17.80	18.20	13.70	13.90	14.10	13.90	14.70
1982	14.70	17.90	16.60	13.50	12.40	12.30	-	11.50	8.40	8.10	8.20	6.90	8.23
1983	6.60	8.50	9.40	13.20	-	17.60	-	20.20	17.70	15.50	19.50	19.90	19.60
1984	20.00	21.00	24.60	23.70	23.50	-	-	15.00	13.20	11.50	10.40	10.30	10.70
1985	12.60	9.85	8.90	8.45	9.50	-	14.80	14.80	12.00	10.60	9.90	10.40	11.30
1986	12.60	12.10	10.50	13.20	9.70	9.60	12.00	10.80	14.60	18.50	19.70	18.80	18.30
1987	19.30	23.20	23.90	26.90	25.40	-	-	15.80	15.30	15.50	16.90	17.60	19.10
1988	18.50	24.20	23.50	24.90	-	-	16.20	16.20	17.60	19.40	18.40	19.10	16.50
1989	18.90	17.70	15.10	13.70	-	-	-	18.10	12.60	12.20	12.20	12.00	14.90
1990	13.70	15.50	20.00	19.50	-	-	-	14.60	12.20	11.20	11.30	11.90	14.10
1991	14.70	15.40	21.00	18.80									
POTATOES, All *(Dollars per cwt.)*													
1981	11.30	11.20	11.10	11.10	10.70	-	10.40	7.55	6.50	5.85	5.60	5.70	6.15
1982	5.50	6.00	6.20	6.55	6.65	-	-	5.75	5.30	5.05	4.55	4.65	4.90
1983	4.00	4.65	4.95	6.70	6.95	5.35	-	8.05	6.80	7.40	7.45	7.80	7.85
1984	8.55	8.15	8.85	9.60	7.55	7.30	-	8.10	5.95	5.50	5.25	5.55	5.95
1985	5.85	6.25	6.30	6.80	5.95	6.00	-	3.85	4.35	4.10	3.75	3.65	3.85
1986	3.55	4.50	3.45	3.50	3.05	3.80	-	6.40	7.10	7.95	7.45	8.20	7.55
1987	8.30	8.30	8.85	7.80	13.00	-	-	5.65	5.40	5.35	5.30	6.05	5.85
1988	6.10	6.35	6.45	6.65	6.70	-	-	6.85	7.05	7.60	9.60	8.00	8.95
1989	10.10	8.75	11.80	10.60	11.20	-	-	10.70	7.25	7.25	8.80	9.15	8.70
1990	9.85	9.35	8.95	10.20	9.95	-	-	7.60	6.85	6.75	7.20	7.30	7.10
1991	7.65	8.90	9.05	9.25									
POTATOES, LONG ISLAND *(Dollars per cwt.)*													
1981	13.00	12.00	12.00	12.20	-	-	8.65	7.10	6.05	6.00	5.65	5.50	6.05
1982	5.60	5.85	5.95	6.00	6.00	-	-	6.10	5.25	4.00	4.00	3.50	4.20
1983	3.50	3.80	4.00	4.25	5.10	5.35	-	8.10	7.40	7.65	7.80	8.05	8.00
1984	8.80	8.50	9.00	8.50	7.00	6.80	-	8.10	5.75	4.85	4.85	4.65	5.40
1985	4.80	4.95	5.00	5.00	5.20	-	-	3.50	3.00	2.80	2.80	2.80	2.90
1986	3.00	2.80	2.80	2.80	2.80	-	-	6.00	6.10	7.40	7.50	7.50	7.10
1987	7.70	7.90	8.00	8.00	-	-	-	5.25	5.20	5.10	5.00	5.20	5.15
1988	5.25	5.20	5.00	5.00	-	-	-	6.85	7.10	7.40	7.50	8.30	8.10
1989	8.50	8.15	11.00	10.80	10.80	-	-	9.95	8.00	7.85	7.60	8.70	8.85
1990	11.00	11.00	11.50	12.20	-	-	-	7.30	6.50	7.55	6.50	6.45	6.80
1991	7.25	7.75	8.00	6.00									
POTATOES, UPSTATE *(Dollars per cwt.)*													
1981	9.45	10.50	10.50	10.40	10.70	-	11.90	9.00	7.00	5.70	5.50	5.85	6.20
1982	5.45	6.05	6.25	6.60	7.20	-	-	7.90	6.25	5.60	5.50	5.25	5.45
1983	4.50	5.25	5.10	7.10	7.50	-	-	8.00	6.50	7.10	7.00	7.50	7.75
1984	8.40	7.85	8.80	9.95	7.95	7.50	-	8.20	6.00	5.90	5.50	6.40	6.30
1985	6.45	7.00	6.95	7.10	6.25	6.00	-	5.60	5.10	4.80	4.50	4.20	4.45
1986	3.90	5.55	3.80	3.75	3.30	3.80	-	8.00	7.70	8.30	7.40	8.50	7.80
1987	8.50	8.50	9.05	7.80	13.00	-	-	6.00	5.50	5.50	5.50	6.40	6.15
1988	6.50	6.70	6.85	6.70	6.70	-	-	6.85	7.00	7.70	10.50	7.90	9.35
1989	10.70	8.95	12.10	10.60	11.30	-	-	11.00	6.95	7.00	9.35	9.50	8.65
1990	9.30	8.65	8.70	10.10	9.95	-	-	7.80	7.00	6.35	7.45	7.65	7.25
1991	8.00	9.55	9.15	9.40									

1/ Season average price based on marketing year, July through June, not calendar year.

Table 93. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Annual Average, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
BEEF CATTLE *(Dollars per cwt.)*													
1981	44.00	44.90	42.80	43.80	44.50	44.90	44.00	44.20	41.80	39.00	39.40	37.70	42.40
1982	38.70	39.30	39.90	40.60	44.50	44.70	42.60	41.50	39.30	37.80	37.90	37.40	40.30
1983	37.80	39.60	39.90	41.50	43.80	43.10	39.80	37.40	36.80	34.90	32.70	33.40	38.00
1984	35.00	39.30	40.20	39.80	40.60	40.30	38.80	38.10	35.80	34.70	33.50	34.30	37.60
1985	36.60	38.60	38.70	37.50	39.00	37.80	35.20	34.10	33.00	32.80	32.40	32.80	35.50
1986	33.80	34.60	34.10	32.50	35.60	36.00	34.40	33.50	34.70	34.00	33.80	34.10	34.20
1987	36.30	38.40	40.00	41.70	44.40	43.00	42.40	41.60	42.00	42.70	41.70	43.10	41.40
1988	43.90	45.90	45.60	48.00	48.00	44.90	43.30	43.70	44.30	43.40	43.70	44.30	44.80
1989	45.70	47.10	45.60	45.80	46.70	46.80	46.40	46.30	46.90	45.40	45.30	49.10	46.40
1990	49.50	48.90	49.40	49.70	50.60	55.60	53.60	53.70	53.70	52.60	48.60	49.90	51.10
1991	50.00	51.00	49.90	52.50									
STEERS AND HEIFERS *(Dollars per cwt.)*													
1981	50.90	51.60	50.80	49.40	52.90	52.90	55.00	55.20	51.60	47.30	44.90	45.10	50.70
1982	47.90	46.70	49.10	49.90	54.00	54.20	53.70	50.90	47.40	42.60	44.60	47.20	49.10
1983	46.40	47.60	47.20	51.70	52.70	52.90	50.90	44.70	43.20	42.00	41.00	40.90	47.10
1984	43.20	48.90	47.30	47.40	47.40	47.80	45.10	46.30	42.10	42.90	41.20	44.90	45.30
1985	46.50	44.60	42.00	45.30	45.10	46.20	43.00	42.00	39.60	42.30	42.70	40.60	43.30
1986	41.80	40.80	41.70	39.80	41.80	41.60	42.10	43.60	42.60	40.80	45.30	41.10	41.80
1987	45.40	46.00	47.10	48.40	52.10	52.40	52.50	50.30	54.10	51.60	46.80	50.20	49.60
1988	53.50	55.00	53.40	57.50	57.00	55.30	49.70	54.50	53.00	51.90	51.40	51.80	53.20
1989	55.90	58.80	57.30	58.10	58.30	57.90	56.40	57.10	57.00	56.40	53.70	57.30	57.00
1990	59.40	57.40	58.60	61.20	61.80	70.10	67.70	68.50	67.40	68.70	66.60	66.60	66.50
1991	66.60	67.30	66.90	69.10									
SLAUGHTER COWS *(Dollars per cwt.)*													
1981	43.40	44.20	41.90	43.10	43.00	43.60	42.40	42.40	40.40	37.70	38.80	36.70	41.30
1982	37.30	38.50	38.40	38.90	42.10	42.40	40.90	39.60	37.70	37.00	36.20	35.50	38.60
1983	37.10	38.90	39.10	40.40	42.70	42.00	38.60	36.70	36.20	34.40	32.30	32.90	37.20
1984	34.50	38.60	39.70	39.20	39.90	39.70	38.30	37.60	35.30	34.20	32.60	33.40	36.90
1985	35.90	38.20	38.50	36.80	38.40	36.90	34.60	33.60	32.60	31.80	31.20	32.10	34.90
1986	33.30	34.20	33.60	31.90	34.70	35.50	33.70	33.10	34.10	33.40	32.70	33.50	33.60
1987	35.40	37.80	39.60	41.10	43.60	42.40	41.60	40.90	41.00	41.90	41.30	42.70	40.70
1988	43.30	45.50	44.90	47.20	47.40	44.40	42.60	43.10	42.60	42.70	42.80	43.70	44.10
1989	45.10	46.60	45.00	44.70	46.00	46.10	45.80	45.70	46.10	44.90	44.80	48.60	45.70
1990	48.90	48.60	48.70	48.90	50.00	51.70	50.70	50.30	49.80	47.50	45.10	46.70	48.70
1991	46.60	48.30	47.50	48.50									
CALVES *(Dollars per cwt.)*													
1981	63.70	68.30	64.80	68.40	82.10	80.80	68.00	65.10	64.70	60.90	56.90	57.80	66.20
1982	59.10	59.40	56.00	60.10	73.30	66.50	63.50	58.80	58.90	54.30	51.00	51.20	58.80
1983	59.90	62.60	59.60	65.60	77.60	70.60	54.30	52.10	53.00	55.20	52.30	53.20	59.20
1984	73.00	79.10	72.20	74.80	80.30	78.20	63.10	60.10	66.70	71.90	60.60	67.20	70.50
1985	68.70	66.20	60.60	59.10	67.50	72.50	58.60	49.90	49.00	49.40	52.30	50.60	58.70
1986	54.80	60.10	53.70	50.50	67.80	66.90	52.80	50.50	58.70	63.60	59.00	57.70	57.80
1987	59.10	64.80	63.10	71.30	86.00	86.50	78.40	80.50	85.90	90.50	83.50	80.50	77.50
1988	88.30	94.40	88.10	100.00	113.00	103.00	88.20	85.50	94.10	92.50	89.30	86.70	93.20
1989	96.00	105.00	93.30	103.00	119.00	105.00	88.70	87.90	99.50	97.00	94.70	101.00	98.40
1990	105.00	102.00	94.00	117.00	124.00	121.00	108.00	106.00	113.00	93.00	76.10	83.20	104.00
1991	93.80	94.70	110.00	125.00									

Table 93. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Annual Average, 1981 to Date *(Continued)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
HOGS 1/ *(Dollars per cwt.)*													
1981	41.50	41.90	39.30	39.00	41.30	47.60	48.50	49.50	48.90	44.00	42.40	39.60	44.10
1982	44.70	48.50	48.70	51.50	56.80	57.60	58.00	61.70	59.80	55.40	51.00	52.90	52.70
1983	54.50	55.20	48.30	45.70	45.30	44.70	44.00	47.40	44.20	41.00	37.70	45.70	46.20
1984	45.60	45.40	45.10	45.50	45.30	47.90	50.80	49.00	46.20	42.80	47.10	46.70	46.30
1985	47.40	46.70	42.90	39.30	39.60	42.30	43.80	42.10	39.30	42.50	42.40	44.30	42.90
1986	44.00	42.00	38.40	38.40	44.30	50.10	55.40	59.30	56.30	57.40	50.10	48.20	47.20
1987	45.20	46.00	44.40	47.30	52.10	55.30	56.30	56.40	50.80	46.10	38.70	38.00	49.10
1988	41.20	43.10	39.40	38.80	43.50	44.50	41.20	42.80	37.90	36.60	36.10	38.30	40.40
1989	39.20	37.90	36.70	34.50	38.00	41.10	42.50	43.00	39.80	43.80	41.80	44.70	39.50
1990	44.00	44.10	46.90	48.90	54.70	55.70	55.30	52.80	50.90	51.50	46.50	44.10	49.40
1991	45.30	48.30	46.60	47.80									
LAMBS *(Dollars per cwt.)*													
1981	55.90	52.20	57.20	68.80	66.40	67.20	61.00	57.10	50.50	46.90	44.40	45.00	60.50
1982	46.50	50.20	72.40	62.00	59.50	59.10	54.30	49.60	47.90	44.80	44.10	50.30	54.80
1983	54.80	58.20	74.70	74.50	60.70	55.60	52.20	44.30	43.40	45.60	46.90	53.00	55.10
1984	59.30	58.30	55.70	86.60	61.60	57.90	50.60	51.60	54.80	55.20	56.60	59.70	64.10
1985	61.40	66.20	94.40	70.00	67.70	64.70	62.50	61.50	62.60	61.10	62.70	63.50	69.20
1986	66.10	68.00	90.20	100.00	70.20	71.70	68.00	62.30	64.10	59.80	61.00	63.40	71.20
1987	69.80	75.70	74.40	107.00	81.60	81.40	73.00	70.50	69.80	66.70	66.60	69.20	76.50
1988	77.90	77.50	106.00	73.60	83.50	72.20	60.30	61.00	61.20	62.30	59.40	64.40	76.00
1989	69.80	70.00	98.60	84.30	75.50	73.80	65.00	63.00	61.20	58.50	56.50	62.90	72.00
1990	58.20	60.40	86.30	64.80	68.10	64.50	55.60	53.60	52.40	49.20	48.10	48.40	58.90
1991	49.30	46.90	65.10	56.90									
MILK, WHOLESALE *(Dollars per cwt.)*													
1981	14.00	13.90	13.60	13.40	13.20	13.00	13.50	13.90	14.20	14.50	14.30	14.00	13.80
1982	13.90	13.80	13.60	13.30	13.00	13.00	13.40	13.90	14.20	14.40	14.30	14.10	13.70
1983	13.90	13.90	13.50	13.40	13.10	12.90	13.40	13.90	14.10	14.30	14.30	13.70	13.70
1984	13.60	13.40	13.20	12.90	12.80	12.70	13.20	13.70	14.20	14.50	14.70	14.10	13.50
1985	14.00	13.80	13.30	12.80	12.30	11.80	12.30	12.60	12.80	13.00	12.90	12.70	12.80
1986	12.60	12.50	12.10	11.90	11.70	11.70	12.20	12.90	13.30	13.80	13.90	13.50	12.60
1987	13.40	13.10	12.50	12.10	11.70	11.70	12.20	12.70	13.30	13.50	13.40	12.90	12.70
1988	12.80	12.50	12.00	11.60	11.30	11.10	11.70	12.50	13.30	14.00	14.40	14.20	12.60
1989	14.30	13.90	13.30	12.80	12.60	12.60	13.30	14.10	15.10	16.00	16.70	16.90	14.20
1990	16.40	15.50	14.80	13.90	13.90	14.40	15.00	15.50	15.40	14.30	13.80	12.20	14.60
1991	11.80	11.70	11.60	11.50									
EGGS 1/ *(Cents per dozen)*													
1981	60.4	55.1	54.2	55.5	49.6	48.1	52.1	55.3	58.2	58.3	66.0	2/59.6	56.7
1982 2/	65.0	61.3	62.9	55.6	47.3	46.9	47.4	49.8	51.6	53.3	53.1	50.4	54.6
1983	48.3	50.6	53.6	53.6	54.8	53.8	51.6	59.5	61.8	66.4	77.5	89.4	56.7
1984	100.0	86.1	78.7	90.0	61.6	57.6	57.4	54.8	56.1	51.1	59.7	56.0	70.0
1985	48.7	47.9	55.4	48.6	44.5	54.1	51.1	60.0	63.6	65.3	68.9	65.5	55.0
1986	63.2	58.0	68.1	53.8	52.2	46.2	56.1	56.2	59.7	54.9	64.7	60.7	58.2
1987	54.6	50.3	48.7	47.0	40.6	42.9	40.8	44.4	51.2	48.3	47.2	43.5	48.6
1988	41.7	40.1	41.4	37.1	37.6	39.5	55.5	50.8	62.3	50.6	49.3	55.2	45.6
1989	53.3	54.9	74.7	61.2	56.4	57.2	57.4	66.6	67.6	68.0	76.1	86.1	62.2
1990	76.9	66.3	74.7	64.0	51.6	54.4	51.2	59.0	62.6	69.0	70.9	74.0	65.7
1991	71.5	61.7	77.9	60.0									

1/ Marketing year is December 1 of previous year through November 30 of the year indicated.
2/ Starting December 1981, table egg price replaces all egg price series.

Table 94. PRICE OF HERD REPLACEMENTS: Milk Cows, Monthly and Annual Average, 1981 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
MILK COWS FOR HERD REPLACEMENT *(Dollars per head)*													
1981	1,230	1,220	1,190	1,160	1,160	1,170	1,180	1,180	1,170	1,150	1,130	1,120	1,170
1982	1,120	1,090	1,060	1,050	1,040	1,040	1,040	1,050	1,020	1,020	1,010	1,010	1,060
1983	1,000	990	980	970	970	980	970	960	910	870	870	850	950
1984	800	800	840	860	850	840	840	830	810	810	800	790	810
1985	800	800	810	820	820	810	800	790	780	750	740	740	790
1986	740	750	740	740	750	770	770	760	750	760	770	770	755
1987	790	790	810	830	840	850	860	860	860	870	870	870	840
1988	880	890	910	920	930	930	930	910	890	900	900	900	910
1989	920	930	960	960	950	960	960	950	960	990	1,010	1,020	960
1990	1,050	1,070	1,070	1,070	1,070	1,080	1,100	1,130	1,140	1,160	1,150	1,060	1,100
1991	1,030	1,010	1,000	1,020									

Table 95. PRICES PAID BY FARMERS: Selected Feeds, Quarterly and Annual Average, 1981 to Date

Year	Jan.	Apr.	July	Oct.	Annual average	Jan.	Apr.	July	Oct.	Annual average
	BEEF CATTLE CONCENTRATE, 32-36% Protein *(Dollars per cwt.)*					**MIXED DAIRY FEED, 16% Protein** *(Dollars per cwt.)*				
1981	14.00	12.50	11.50	13.50	13.00	210	199	190	185	193.70
1982	14.00	13.50	13.50	12.00	12.70	176	180	179	172	176.60
1983	12.00	12.00	12.00	13.00	12.30	175	182	187	210	192.60
1984	13.00	12.00	13.50	13.00	12.80	210	205	195	183	194.30
1985	13.00	12.00	11.00	11.50	11.80	172	168	161	156	164.20
1986 1/	12.00	11.60	11.20	10.50	11.30	169	169	160	154	162.90
1987	11.10	11.40	11.60	10.40	11.10	155	151	153	152	152.80
1988 2/	12.90	12.05	12.90	12.75	12.65	166	167	196	194	180.80
1989	14.50	14.90	14.85	14.85	14.80	194	194	185	181	188.50
1990	15.05	14.30	13.85	13.55	14.20	184	173	175	175	176.80
1991	13.10	14.15				174	174			
	CHICK STARTER MASH *(Dollars per ton)*					**COMPLETE LAYING FEED** *(Dollars per ton)*				
1981	255	240	215	225	238.00	235	225	210	198	215.00
1982	215	215	220	205	213.00	191	189	193	184	191.60
1983	205	220	225	265	236.00	205	215	220	240	227.00
1984	255	255	215	215	233.00	230	235	215	210	216.00
1985	205	210	200	205	203.00	200	191	184	192	190.30
1986 1/	215	196	198	191	198.80	196	177	173	158	175.30
1987	172	186	190	184	183.00	160	164	171	161	164.00
1988	207	194	233	238	218.00	176	172	216	216	195.00
1989	233	224	253	237	237.00	212	203	212	199	207.00
1990	233	230	237	217	229.00	198	188	198	192	194.00
1991	202	207				190	186			

1/ Starting with April 1986, prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.

2/ Starting with April 1988, beef cattle concentrate priced by ton and converted to hundredweight price.

Table 95. PRICES PAID BY FARMERS: Selected Feeds, Quarterly and Annual Average, 1981 to Date *(Continued)*

Year	Jan.	Apr.	July	Oct.	Annual average	Jan.	Apr.	July	Oct.	Annual average
	BRAN (Dollars per cwt.)					CORN MEAL (Dollars per cwt.)				
1981	10.50	10.00	9.50	9.30	9.81	9.30	9.80	9.80	8.50	9.27
1982	9.20	8.90	9.20	8.70	8.98	7.70	8.00	7.90	7.70	7.84
1983	8.80	8.90	9.30	10.00	9.48	7.80	8.40	8.90	10.00	8.94
1984	10.50	10.50	9.50	9.10	9.68	9.80	9.60	9.80	9.40	9.49
1985	8.70	8.30	8.00	7.60	8.08	8.60	8.50	8.20	7.90	8.21
1986 1/	8.40	8.93	8.30	8.50	8.55	7.70	7.84	7.90	7.10	7.66
1987	8.50	8.20	8.30	7.70	8.18	7.00	6.90	7.30	6.90	7.03
1988	8.80	9.00	9.80	9.80	9.35	7.00	7.40	9.10	9.00	8.12
1989	10.40	10.60	10.10	10.30	10.40	8.90	8.70	8.80	8.60	8.75
1990	10.50	10.10	10.20	9.90	10.20	8.60	8.80	9.20	8.90	8.88
1991	10.00	10.10				8.50	8.50			
	MIXED HOG FEED, 14-18% Protein (Dollars per cwt.)					SOYBEAN MEAL, 44% Ptotein (Dollars per cwt.)				
1981	11.00	11.00	11.00	10.50	10.90	17.00	16.50	15.50	14.50	15.80
1982	9.90	10.00	10.00	9.70	9.90	14.50	14.50	14.50	13.80	14.20
1983	9.80	10.50	10.50	12.00	10.80	14.00	13.50	14.00	16.50	14.80
1984	12.00	11.50	11.50	11.10	11.30	16.00	14.50	14.00	12.00	13.80
1985	10.20	10.20	9.80	9.80	9.94	11.50	10.50	9.60	10.50	10.40
1986 1/	9.90	9.48	9.50	8.90	9.45	11.00	11.70	11.80	11.70	11.60
1987	8.80	8.60	9.10	8.90	8.85	11.70	11.50	12.50	12.30	12.00
1988 2/	9.35	9.40	11.30	11.30	10.35	13.90	13.20	18.50	17.00	15.65
1989	11.20	11.35	11.35	11.20	11.30	16.70	15.70	15.80	15.30	15.90
1990	10.95	10.70	11.20	10.85	10.95	13.70	13.10	13.20	13.00	13.25
1991	10.60	10.65				12.70	12.80			
	MOLASSES, Liquid (Dollars per cwt.)					STOCK SALT (Dollars per cwt.)				
1981	8.40	8.80	8.00	7.90	8.16	5.80	6.00	6.00	6.60	6.28
1982	7.30	7.70	7.40	7.00	7.33	6.50	6.70	6.60	6.80	6.68
1983	7.00	7.00	7.00	8.00	7.34	6.80	7.20	6.90	7.60	7.16
1984	8.00	7.80	7.30	7.10	7.49	8.20	7.70	7.60	7.40	7.66
1985	7.10	7.00	6.80	6.80	6.89	8.00	8.10	8.10	8.40	8.23
1986 1/	7.00	7.77	7.80	8.60	7.79	8.40	8.73	8.70	8.80	8.60
1987	7.90	7.70	8.50	8.90	8.25	8.80	8.70	8.90	8.70	8.80
1988	7.80	7.90	7.80	7.30	7.70	8.80	9.00	8.80	9.20	8.95
1989	7.80	7.80	7.90	8.00	7.88	9.00	9.40	9.60	9.60	9.40
1990	8.00	8.10	8.20	8.50	8.20	9.60	9.60	9.60	9.60	9.60
1991	8.30	8.30				9.60	9.80			

1/ Starting with April 1986, prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.

2/ Starting with April 1988, mixed hog feed priced by ton and converted to hundredweight price.

Table 96. PRICES PAID BY FARMERS: Fuel, Quarterly and Annual Average, 1981 to Date

Year	Jan.	Apr.	July	Oct.	Annual average	Jan.	Apr.	July	Oct.	Annual average
	GASOLINE, Regular, Bulk Delivery (Dollars per gallon)					GASOLINE, Unleaded, at Service Station (Dollars per gallon)				
1981	1.230	1.360	1.310	1.320	1.320	1.330	1.450	1.400	1.400	1.410
1982	1.320	1.170	1.250	1.290	1.250	1.390	1.260	1.320	1.330	1.320
1983	1.250	1.190	1.250	1.270	1.240	1.300	1.260	1.310	1.290	1.280
1984	1.230	1.210	1.230	1.210	1.220	1.250	1.230	1.230	1.210	1.230
1985	1.170	1.180	1.220	1.240	1.210	1.180	1.200	1.250	1.250	1.230
1986 1/	1.240	.888	.850	.820	.942	1.260	.902	.901	.850	.973
1987	.860	.890	.930	.960	.910	.880	.930	.970	.990	.943
1988	.940	.920	.950	.950	.940	.980	.940	.980	.980	.970
1989	.960	1.050	1.110	1.080	1.050	.980	1.050	1.120	1.060	1.050
1990	1.120	1.070	1.130	1.440	1.190	1.070	1.060	1.100	1.420	1.160
1991	1.330	1.210				1.320	1.170			
	DIESEL FUEL, Bulk Delivery (Dollars per gallon)					L-P GAS, Per Gallon (Dollars per gallon)				
1981	1.220	1.320	1.320	1.310	1.310	.880	.910	.990	.980	.959
1982	1.290	1.190	1.240	1.210	1.240	.990	1.020	.980	1.060	1.010
1983	1.220	1.100	1.120	1.120	1.140	1.060	1.080	1.040	1.070	1.048
1984	1.140	1.160	1.130	1.100	1.140	1.070	1.090	1.170	1.110	1.118
1985	1.110	1.070	1.040	1.050	1.080	1.140	1.140	1.150	1.140	1.144
1986 1/	1.150	.845	.709	.690	.840	1.180	.960	.899	.940	.995
1987	.760	.760	.750	.790	.765	.940	.920	.910	.910	.920
1988	.830	.830	.830	.750	.810	.980	.910	.900	.910	.925
1989	.840	.860	.790	.820	.828	.910	.990	.890	.930	.905
1990	1.240	.940	.850	1.290	1.080	1.380	1.050	1.030	1.270	1.180
1991	1.190	.980				1.200	1.060			

1/ Starting with April 1986, prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.

Table 97. PRICES PAID BY FARMERS: Fertilizer, Annual Average, 1981-1990

Year	5-10-10	10-10-10	10-20-20	15-15-15	Super Phosphate 44-46%	Urea 45-46% N	Ground limestone spread on field
				Dollars per ton			
1981	184.00	201.00	236.00	228.00	271.00	275.00	22.50
1982	180.00	194.00	236.00	219.00	264.00	278.00	23.80
1983	159.00	168.00	209.00	206.00	221.00	249.00	23.90
1984	168.00	176.00	214.00	211.00	231.00	250.00	24.30
1985	149.00	163.00	198.00	194.00	204.00	238.00	24.80
1986 1/	138.00	150.00	180.00	178.00	200.00	200.00	23.30
1987	141.00	152.00	184.00	179.00	204.00	190.00	24.30
1988	152.00	164.00	206.00	200.00	233.00	208.00	23.30
1989	157.00	171.00	207.00	205.00	242.00	227.00	24.30
1990	158.00	172.00	199.00	197.00	207.00	215.00	25.30

1/ Starting with 1986, prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, Delaware, and West Virginia.

Table 98. AGRICULTURAL LABOR: Wage Rates For Hired Workers, Northeast I, January, April, July, October, and Annual, 1985 to Date 1/

Year	Type of Work						Method of Pay		
	All hired workers	Field and livestock workers	Field Workers	Livestock Workers	Supervisors	Other agricultural workers	By hour	Piece-rate	Other
	Dollars per hour								
JANUARY									
1990	5.58	5.04	6.04	4.32	8.00	8.09	5.60	2/	5.48
1991	5.78	5.41	6.18	4.94	8.40	2/	5.78	2/	5.76
APRIL									
1985	4.00	3.62	4.19	3.33	5.99	5.03	4.29	4.42	3.66
1986	4.44	4.11	4.60	3.77	6.62	4.93	4.62	2/	4.18
1987	4.52	4.17	4.66	3.60	7.13	6.31	4.55	2/	4.43
1988	4.86	4.57	5.23	3.97	7.54	6.53	4.92	2/	4.75
1989	5.23	4.88	5.62	4.28	7.84	2/	5.45	2/	4.94
1990	5.56	5.31	5.75	4.94	7.57	7.63	5.58	2/	5.52
1991	5.93	5.54	5.98	5.08	8.43	2/	5.96	2/	5.79
JULY									
1985	3.84	3.63	3.79	3.39	6.40	4.56	4.01	2/	3.61
1986	4.23	4.06	4.31	3.61	2/	5.15	4.45	2/	3.70
1987	4.62	4.34	4.59	3.90	6.67	2/	4.88	2/	3.97
1988	4.93	4.60	4.88	4.26	7.37	6.84	4.99	2/	4.83
1989	5.11	4.82	5.19	4.33	7.16	2/	5.35	4.71	4.71
1990	5.36	5.08	5.38	4.65	7.48	7.43	5.60	2/	4.95
OCTOBER									
1985	4.16	4.02	4.15	3.76	6.32	4.22	4.13	5.29	3.98
1986	4.56	4.32	4.66	3.77	6.88	5.01	4.56	5.91	4.31
1987	4.63	4.42	4.67	4.00	6.64	2/	4.74	5.71	4.32
1988	5.24	5.00	5.64	4.18	6.80	5.53	5.43	7.10	4.58
1989	5.48	5.26	5.90	4.39	7.51	6.89	5.76	5.39	4.90
1990	5.58	5.41	6.17	4.50	7.05	2/	5.83	7.34	4.85
ANNUAL									
1985	4.01	3.78	4.02	3.47	6.21	4.48	4.13	4.69	3.73
1986	4.41	4.17	4.50	3.72	6.69	5.01	4.53	2/	4.06
1987	4.60	4.32	4.64	3.84	6.79	6.18	4.75	5.76	4.23
1988	5.02	4.73	5.24	4.14	7.17	6.09	5.11	6.80	4.72
1989	5.25	4.98	5.57	4.38	7.29	6.73	5.47	2/	4.88
1990	5.51	5.21	5.78	4.61	7.54	7.58	5.65	2/	5.16

1/ Estimates reflect actual payroll data for the week which includes the 12th of the month. Excludes perquisites. Northeast I is New York and New England combined.
2/ Insufficient data for this category.

Table 99. AGRICULTURAL LABOR: Number of Workers and Hours Worked, Northeast I, January, April, July and October, 1985 to Date 1/

Year	Number of Workers				Hours Worked Per Week		
	Total	Self-employed	Unpaid workers	Hired	Self-employed	Unpaid workers	Hired workers
	Thousands				Hours		
JANUARY							
1990	97.0	42.0	14.0	41.0	39.7	39.3	40.4
1991	85.0	39.0	10.0	36.0	41.8	35.3	39.5
APRIL							
1985	129.0	50.0	28.0	51.0	55.7	40.0	41.1
1986	120.0	45.0	24.0	51.0	57.4	36.5	39.7
1987	109.0	40.0	15.0	54.0	60.8	44.9	40.4
1988	103.0	39.0	16.0	48.0	59.0	37.2	41.1
1989	92.0	36.0	15.0	41.0	53.6	35.9	41.0
1990	102.0	44.0	19.0	39.0	46.0	34.8	38.2
1991	90.0	39.0	12.0	39.0	50.1	35.4	40.7
JULY							
1985	158.0	53.0	37.0	68.0	57.2	39.9	39.1
1986	137.0	46.0	21.0	70.0	64.1	43.6	38.4
1987	126.0	38.0	19.0	69.0	56.6	42.5	43.1
1988	116.0	39.0	17.0	60.0	53.5	40.2	41.5
1989	130.0	47.0	26.0	57.0	55.4	47.0	43.8
1990	119.0	46.0	18.0	55.0	49.7	39.4	40.1
OCTOBER							
1985	137.0	51.0	25.0	61.0	58.3	41.2	40.1
1986	125.0	43.0	18.0	64.0	64.1	47.0	39.9
1987	112.0	36.0	15.0	61.0	57.0	38.1	44.5
1988	117.0	41.0	17.0	59.0	54.5	39.8	42.4
1989	119.0	44.0	20.0	55.0	48.6	36.6	38.9
1990	112.0	44.0	16.0	52.0	42.9	39.2	39.9

1/ Estimates reflect actual payroll data for the week which includes the 12th of the month. Excludes perquisites. Northeast I is New York and New England combined.

Table 100. COLD STORAGE CAPACITY: Refrigerated Space by Type of Warehouse and Total Capacity by Cities, October 1, 1989

Type of Refrigerated Warehouse	Storages	Gross Space			Usable Space		
		Cooler	Freezer	Total	Cooler	Freezer	Total
	Number	1,000 cu. ft.					
Refrigerated Space by Type of Warehouse 1/							
General Storages:							
Public	42	11,771	46,139	57,910	8,861	31,669	40,530
Private and Semi-Private	66	14,928	17,959	32,888	11,410	10,243	21,653
Apple Storages:							
Public	13	5,829	-	5,829	4,680	-	4,680
Private and Semi-Private	174	26,771	182	26,953	22,021	149	22,170
TOTAL	295	59,299	64,281	123,580	46,973	42,061	89,034
Refrigerated Storage Capacity in Cities 2/ 3/							
Albany-Schenectady-Troy, N.Y.	15	3,313	5,221	8,534	2,524	4,221	6,745
Buffalo, N.Y.	33	5,082	5,255	10,338	4,137	3,746	7,883
New York, N.Y.-N.J.	19	3,391	4,146	7,537	2,737	3,272	6,009
Rochester, N.Y.	46	16,438	22,784	39,222	12,820	17,178	29,999
Syracuse, N.Y.	13	2,232	13,661	15,893	1,668	6,587	8,255

1/ Totals may not add due to rounding.
2/ Standard metropolitan statistical areas defined by the Bureau of the Budget in 1964. Includes areas in and around city/cities names.
3/ Cities having 3 or more plants and at least 3 million cubic feet of usable piling space.

Table 101. COLD STORAGE CAPACITY: Number of Refrigerated Warehouses and Gross Refrigerated Space, by Type, October 1, 1973-1989

Type Of Refrigerated Warehouse	1973	1975	1977	1979	1981	1983	1985	1987	1989
					Number				
Refrigerated Warehouses									
General Storages:									
Public	49	49	48	45	42	43	38	36	42
Private and Semi-Private	113	90	81	97	78	86	77	73	66
Apple Storages:									
Public	12	12	10	13	16	14	13	14	13
Private and Semi-Private	167	162	156	189	178	172	172	172	174
TOTAL	341	313	293	344	314	315	300	295	295
Gross Refrigerated Space 1/					1,000 cu. ft.				
General Storages:									
Public	47,771	49,683	44,791	47,114	40,842	43,810	37,562	48,897	57,910
Private and Semi-Private	22,427	19,493	20,663	24,950	20,320	21,989	20,610	25,275	32,888
Apple Storages:									
Public	4,942	4,969	4,509	6,140	8,235	7,383	7,245	5,552	5,829
Private and Semi-Private	21,771	28,975	21,152	23,536	22,200	23,124	24,987	25,469	26,953
TOTAL	96,911	103,120	91,115	101,740	91,597	96,307	90,404	105,193	123,580

1/ Totals may not add due to rounding.

1990 WEATHER SUMMARY

JANUARY featured near-record warmth, countering the record-breaking cold of December 1989. Temperatures wound up 10 degrees above normal, the fourth warmest January on record. The dramatic shift in temperature was the greatest temperature increase from a December to the following January ever. Precipitation averaged above normal by about 0.75 inch. Snowfall was below normal in most areas of the state.

FEBRUARY presented a continuation of the warm trend established in January. Temperatures averaged five degrees above normal, making it the ninth warmest February on record. The January to February time period was tied with 1932 as the warmest on record. Precipitation for the state was about 1.25 inches above normal, the wettest February since 1981. Snowfall was close to normal.

MARCH continued a string of warm months that started in January. Temperatures were 3.5 degrees warmer than normal, thanks to a record-setting warm stretch around mid-month. Temperatures between the 13th and 16th set daily records for the warmest weather ever so early in the year. January through March was the warmest such period on record. Precipitation ranged from below to just slightly above normal around the state.

APRIL featured a transition from winter to spring to summer. Cold temperatures and snow plagued the state during the first half of the month. Conditions gradually improved and by last week in the month record-breaking summer like temperatures prevailed. This heat wave pushed average monthly temperatures to 2 degrees above normal, the fourth consecutive warmer than normal month. The January through April average temperature is the warmest on record. Precipitation was variable, but overall wound up about 0.66 inch above normal.

MAY temperatures averaged 2.5 degrees below normal, the first below normal month of 1990. Precipitation averaged 2.50 inches above normal. Excessive rainfall and cold temperatures impacted agriculture.

The average temperature for **JUNE** was less than a half degree above normal. The precipitation picture was not nearly as uniform. The state as a whole received 91 percent of the normal June precipitation. Northern areas received well above normal amounts while the rest of the state was on the dry side. Wet soil conditions at the beginning of the month improved rapidly and, with the exception of the North Country, were at adequate levels for much of June.

JULY precipitation averaged slightly below normal. Northern and eastern areas were drier than normal while central and western areas received above normal rainfall. Temperatures were close to normal.

AUGUST was the seventh wettest August on record. Precipitation averaged five inches statewide. Southern areas received more than 10 inches of rain. However, western and some northern areas received below normal rainfall. Average temperatures were near or slightly above normal.

SEPTEMBER was cool and dry. Temperatures averaged 1 degree below normal. Precipitation totaled 81 percent of normal. Above normal amounts were confined to western areas. Some eastern areas received only 44 percent of normal.

OCTOBER precipitation totaled 6.19 inches, the fourth wettest October on record and twice the normal amount. A few areas received over 10 inches. Only a couple of locations recorded snow accumulations of over an inch. Temperatures averaged 2 degrees warmer than normal. Only New York City and Long Island escaped without a freezing temperature.

NOVEMBER temperatures averaged 2 degrees higher than average. Several locations experienced record breaking warmth on the 27th and 28th. Precipitation was about 0.50 inch below normal, 87 percent of the average monthly precipitation.

DECEMBER was warm and wet. Temperatures aveaged 5 to 6 degrees above normal, nearly 20 degrees warmer than a year earlier. Precipitation averaged 5.50 inches, more than 2 inches wetter than normal. This was the third wettest December ever. Snowfall was below normal due to the warm weather.

Table 102. TEMPERATURE: Departures From Normal by Months at Selected Stations, 1990

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Degrees F.						
Albany	11.7	4.8	4.2	2.3	-2.2	.6	1.6	1.7	.5	2.6	2.5	7.1
Batavia	10.6	5.0	4.4	3.5	-1.7	1.2	.7	.5	.2	.8	2.6	5.1
Binghamton	10.3	6.2	5.3	3.0	-2.4	.1	- .8	- .7	-1.9	2.5	2.8	5.8
Bridgehampton	6.5	5.0	1.9	.1	- .4	.8	.4	1.6	- .4	3.9	.5	4.9
Buffalo	9.9	4.8	3.9	3.1	-1.2	.7	.7	1.5	- .4	1.0	3.1	5.6
Canton	11.9	4.2	1.6	1.8	-3.1	.2	- .8	1.0	-1.9	.1	2.0	6.7
Chazy	12.7	2.7	2.7	2.5	-2.8	- .8	- .1	1.4	-1.1	1.8	2.3	5.3
Cooperstown	10.8	5.9	4.6	3.2	-2.2	.3	.5	.8	- .9	2.7	2.0	5.9
Dansville	9.7	6.8	4.6	3.2	-1.8	.9	- .4	- .1	-1.3	.5	2.6	5.2
Elmira	10.5	6.9	5.0	3.2	-1.1	1.4	.9	.7	.2	2.9	3.3	5.9
Fredonia	10.5	7.2	4.7	2.3	-1.9	- .2	- .1	- .9	- .6	1.2	2.9	4.3
Geneva	1/	5.2	3.8	2.0	-2.4	.9	- .7	- .5	-1.5	.6	2.3	4.3
Glens Falls	10.9	2.9	3.3	2.0	-2.5	.5	1.1	1.9	- .6	1.8	1.9	6.4
Gloversville	9.3	2.3	.5	- .7	-4.4	-1.2	- .3	- .4	-2.5	1.0	.1	1/
Ithaca	10.2	6.6	5.0	2.6	-1.0	1.2	.2	.0	-1.0	2.2	2.0	5.3
Liberty	9.2	5.3	4.7	.9	-2.4	- .9	- .6	.1	-1.9	4.3	1.8	5.5
Little Valley	9.2	7.5	3.7	2.2	-1.3	.1	.1	- .4	- .6	2.0	1.5	4.9
Lowville	11.0	2.9	2.0	1.5	-3.9	-1.5	-2.8	- .5	-3.0	- .2	- .5	4.7
Massena	12.8	4.9	2.0	2.1	-3.6	.0	.1	2.3	-2.2	.3	2.7	5.8
New York City	9.3	6.6	3.0	1.1	-2.0	1.4	.7	1.0	.6	5.6	2.5	7.0
Poughkeepsie	10.4	4.4	2.9	1.1	-2.5	-1.0	- .6	- .5	-1.6	2.7	1.2	5.6
Riverhead	7.4	6.4	3.7	1.0	- .7	1.5	1.3	2.2	.6	6.0	3.2	7.1
Rochester	10.0	4.9	4.0	2.8	-2.5	.5	- .6	.4	-1.5	.4	1.8	4.8
Syracuse	10.4	5.0	4.2	3.2	-2.5	1.0	.9	1.0	- .9	1.5	1.6	5.2
Utica	11.2	3.4	1/	2.6	-3.4	- .9	- .5	- .2	-1.4	1.5	1.3	5.1
Watertown	12.2	4.8	4.1	3.3	-1.8	.4	- .1	1/	- .6	1/	1.8	7.1

Table 103. PRECIPITATION: Departures From Normal by Months at Selected Stations, 1990

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Inches						
Albany	1.45	1.68	.65	.93	2.81	- .63	-1.32	3.32	-1.42	1.67	.63	.50
Batavia	1/	2.59	-1.07	.58	2.18	-1.37	.71	-1.47	- .70	1.33	- .56	2.25
Binghamton	.79	.90	-1.22	.04	1.81	-1.10	- .41	2.22	- .49	4.19	.16	2.30
Bridgehampton	1.57	- .21	-2.62	1.16	2.30	1/	3.53	- .15	1.73	- .44	-2.59	- .01
Buffalo	- .33	3.50	-1.47	1.66	3.19	.83	.18	- .91	.28	1.66	-1.01	5.29
Canton	.36	.84	- .49	1.90	.96	2.36	-1.07	- .46	- .38	2.25	- .91	2.61
Chazy	1/	1/	1/	.57	1/	1.76	.26	2.24	-2.20	1.65	1/	1/
Cooperstown	1.92	2.12	.56	.41	3.58	.93	- .99	3.27	- .54	2.47	.58	2.42
Dansville	.39	.88	- .35	.91	2.38	-1.36	1.42	-1.83	.99	1/	1/	1.76
Elmira	.42	.86	-1.45	- .15	1.79	- .74	.12	- .01	- .09	4.09	- .70	2.24
Fredonia	- .58	2.96	1/	.78	2.02	.05	1.74	.49	.32	1.03	- .79	3.21
Geneva	1/	1.74	- .68	1.61	2.59	-1.77	1.93	- .51	.13	3.86	- .26	1.33
Glens Falls	1.56	.71	- .38	1.62	3.98	- .53	-1.50	4.93	-1.28	1.34	- .58	1.97
Gloversville	1.40	2.49	- .01	1.56	5.31	-1.69	-1.53	2.93	-1.65	1.76	-1.01	1/
Ithaca	- .02	1.36	-1.22	1.01	1.72	-1.36	.36	1.01	- .31	4.00	- .33	2.25
Liberty	1.99	1/	-1.57	-1.30	3.51	-1.04	- .63	3.06	-2.01	1.03	- .18	1.60
Little Valley	.01	1.99	-1.91	- .76	3.77	-2.43	1.53	.94	1.82	3.83	- .60	1.80
Lowville	1.25	.88	- .56	1.11	2.58	2.14	- .57	-2.30	- .80	3.86	-1.24	2.12
Massena	.10	.27	- .45	2.56	.67	2.65	.43	-1.58	-1.01	1.43	- .75	3.22
New York City	.99	-1.52	-1.36	1.54	4.17	-1.02	- .90	5.99	-1.58	2.48	-2.14	1.20
Poughkeepsie	1.35	1.07	- .03	- .61	2.42	- .15	- .20	4.14	-2.47	2.55	- .87	1.80
Riverhead	.62	1/	-2.75	1.33	3.07	- .01	1.39	.06	- .64	3.70	-2.28	1.34
Rochester	- .69	1.61	- .97	.94	3.18	.10	.57	-1.11	.70	1.83	- .38	1.59
Syracuse	- .48	1.30	3.70	.75	2.46	- .71	- .04	1.56	.16	2.95	- .22	2.04
Utica	1.08	1.67	1/	.80	4.27	- .39	-1.97	.69	.01	1.56	1.50	1.71
Watertown	1/	1.30	- .35	4.48	1.55	.71	- .76	1/	-1.43	1/	- .74	1/

1/ Data not available.

Weather information and data furnished in cooperation by National Weather Service, NOAA, U.S. Dept. of Commerce.

Table 104. TEMPERATURE: Monthly Average Temperatures at Selected Stations, 1990

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Degrees F.						
Albany	32.8	28.2	37.8	48.9	55.3	67.3	73.0	70.9	61.7	53.1	41.8	33.6
Batavia	33.7	29.4	37.7	49.3	55.1	67.4	70.9	69.0	62.0	52.2	42.7	33.4
Binghamton	31.5	28.6	36.7	47.3	52.8	64.4	68.1	66.5	57.9	51.6	40.7	32.0
Bridgehampton	37.1	36.2	39.7	47.0	55.6	66.3	71.9	72.6	64.0	58.5	45.7	40.1
Buffalo	33.4	29.3	36.9	48.5	54.9	66.7	71.4	70.4	61.7	52.5	43.4	34.4
Canton	27.2	21.4	30.4	44.6	31.7	64.2	67.8	67.6	56.4	48.0	38.7	27.9
Chazy	29.0	20.7	31.9	45.5	52.6	64.2	69.5	68.7	57.7	49.8	39.1	27.8
Cooperstown	31.5	28.2	36.0	46.5	52.5	63.7	68.3	67.0	58.2	51.5	39.8	31.6
Dansville	42.4	31.9	38.6	49.2	54.9	67.2	70.3	69.0	60.8	32.1	43.7	34.8
Elmira	34.0	31.2	38.7	48.9	54.7	66.6	70.7	68.7	60.9	52.6	42.8	34.3
Fredonia	36.0	33.2	39.3	48.8	55.2	66.7	71.0	68.8	63.2	54.7	45.2	35.4
Geneva	1/	28.9	36.6	47.4	53.5	66.6	69.8	68.5	60.3	51.5	42.5	32.6
Glens Falls	28.9	23.6	35.0	46.8	53.4	65.5	70.8	69.4	58.8	50.1	39.3	30.6
Gloversville	29.4	24.5	32.3	44.4	51.9	63.9	69.2	67.3	57.6	50.4	38.0	1/
Ithaca	32.4	29.3	5.0	47.1	53.8	65.5	69.0	67.1	59.2	51.8	41.3	32.9
Liberty	30.2	27.4	36.1	44.9	51.7	61.9	66.7	65.9	56.7	52.6	39.6	31.1
Little Valley	30.4	29.2	34.3	44.9	51.6	62.3	66.5	64.6	57.9	50.0	40.2	31.4
Lowville	28.5	22.1	31.5	44.3	51.0	62.3	65.2	65.5	55.7	48.1	36.1	27.6
Massena	27.5	21.7	30.3	44.9	51.8	64.5	69.2	68.2	56.4	48.0	38.4	26.0
New York City	41.1	39.9	44.0	53.0	59.7	72.4	77.1	76.3	68.8	63.1	48.9	43.2
Poughkeepsie	34.8	31.2	39.1	49.1	55.8	66.5	71.8	70.1	61.1	54.2	42.1	34.9
Riverhead	38.3	38.2	42.8	49.9	58.5	69.6	74.6	74.7	66.7	61.9	48.9	42.5
Rochester	33.6	29.3	37.3	48.8	54.4	67.2	70.7	69.9	60.7	52.1	42.4	25.6
Syracuse	33.2	29.0	37.5	49.3	54.5	67.3	71.8	70.3	61.2	52.8	42.2	33.5
Utica	31.3	25.2	36.4	47.2	52.3	64.2	69.3	67.9	59.0	50.9	39.7	30.7
Watertown	30.6	23.9	34.9	47.4	53.7	65.6	70.1	68.4	60.2	50.0	40.6	31.5

Table 105. PRECIPITATION: Monthly Precipitation at Selected Stations, 1990

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Inches						
Albany	3.84	3.94	3.66	3.87	6.12	2.66	1.68	6.66	1.81	4.60	3.67	3.50
Batavia	1.50	4.25	1.31	3.66	5.41	1.91	3.55	2.48	2.55	4.23	2.18	4.70
Binghamton	3.33	3.23	1.72	3.11	5.00	2.50	3.07	5.57	2.83	7.19	2.89	5.22
Bridgehampton	5.78	3.61	2.02	4.82	5.93	2.22	6.28	4.10	5.26	3.25	1.83	4.72
Buffalo	2.69	5.90	1.50	2.16	6.08	3.55	3.14	3.25	3.65	4.59	2.61	8.71
Canton	2.54	2.90	1.80	4.82	4.14	5.45	2.30	3.42	1.63	5.38	2.17	5.10
Chazy	.54	.66	1.36	3.08	3.12	4.89	3.45	5.80	2.78	4.65	.94	1.94
Cooperstown	4.49	4.41	3.80	3.78	7.08	2.96	2.66	6.66	1.46	5.60	3.96	5.63
Dansville	2.02	2.43	.18	3.72	5.26	2.30	4.31	1.34	2.27	5.05	.42	3.85
Elmira	2.41	2.82	1.14	2.64	4.97	2.60	3.35	3.02	2.98	6.91	2.02	4.62
Fredonia	1.96	4.81	1.56	3.97	4.94	3.41	4.71	4.29	4.71	4.70	2.92	6.22
Geneva	1/	3.78	1.87	4.46	5.44	1.69	4.81	2.61	3.04	6.88	2.46	3.87
Glens Falls	4.07	3.07	2.71	4.72	7.03	2.61	1.50	8.07	1.75	4.20	3.55	4.93
Gloversville	4.32	5.05	3.49	5.16	9.11	2.14	2.34	6.51	2.18	5.08	2.74	1/
Ithaca	2.06	3.44	1.35	3.81	4.77	2.37	3.90	4.39	3.07	7.09	2.64	2.25
Liberty	5.72	2.79	2.42	3.23	7.51	3.23	3.52	7.69	2.05	4.91	4.15	5.97
Little Valley	3.95	5.39	2.01	3.37	7.52	1.93	5.18	5.15	6.21	7.62	4.16	6.54
Lowville	4.45	3.56	2.51	4.28	5.84	5.41	2.85	1.13	2.73	7.17	2.81	5.81
Massena	2.28	2.34	1.79	5.23	3.27	5.51	3.41	2.02	2.31	4.05	2.62	6.29
New York City	4.10	1.56	2.74	5.30	7.63	2.13	2.77	10.31	1.90	5.75	1.59	4.88
Poughkeepsie	4.10	3.49	3.25	3.05	6.04	3.28	3.30	7.91	1.19	5.85	2.70	5.00
Riverhead	4.69	2.48	1.53	5.07	6.60	2.89	4.59	4.23	2.96	7.26	1.90	5.90
Rochester	1.61	3.93	1.56	3.58	5.76	2.88	3.05	2.27	3.36	4.37	2.27	4.18
Syracuse	2.13	1.30	3.70	4.09	5.62	2.92	3.72	5.33	3.45	6.09	3.23	5.24
Utica	4.44	3.43	3.98	4.29	7.87	3.36	2.21	4.28	3.76	4.93	5.42	5.76
Watertown	3.91	3.17	2.40	4.48	4.85	3.88	2.26	2.70	2.50	4.88	3.32	4.69

1/ Data not available.

Weather information and data furnished in cooperation by National Weather Service, NOAA, U.S. Dept. of Commerce.

Figure 6. AVERAGE DATE OF THE LAST SPRING 32°F FREEZE

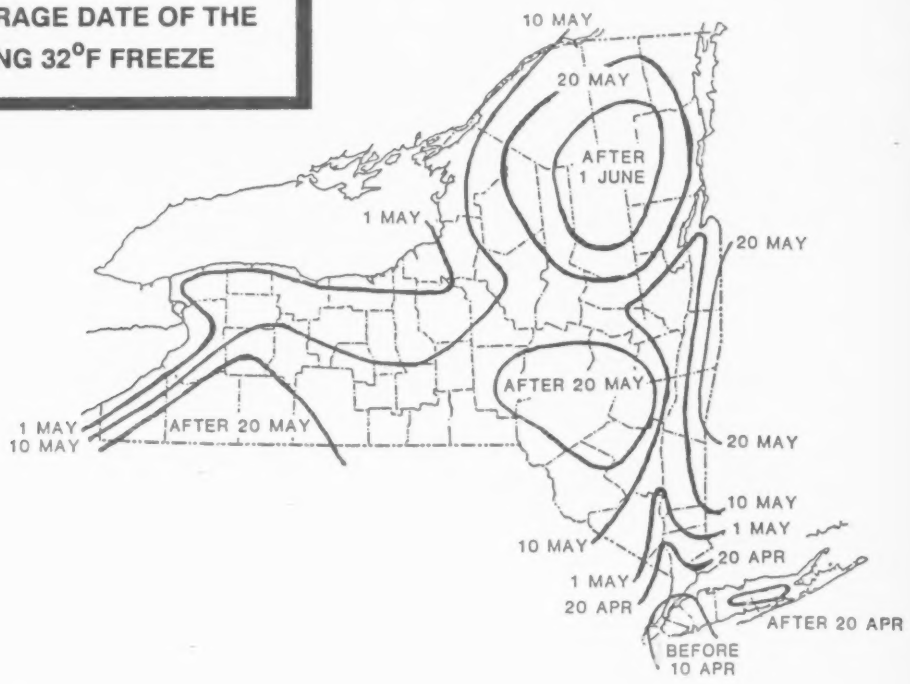


Figure 7. AVERAGE DATE OF THE FIRST AUTUMN 32°F FREEZE

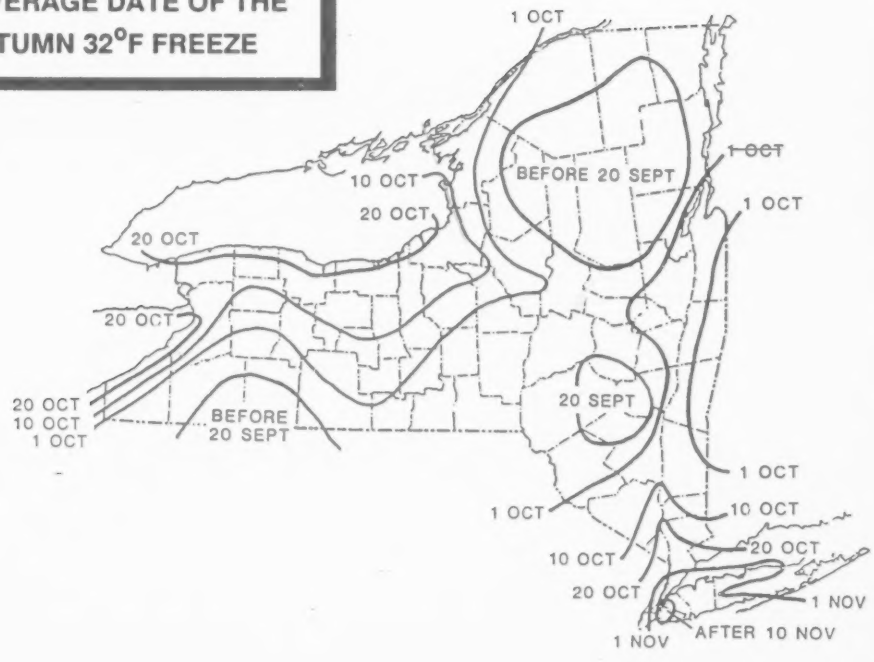


Table 106. TEMPERATURES: Average Monthly Soil Temperatures at Selected Stations, January-December 1990

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Degrees F.											
HUDSON VALLEY												
VALATIE												
4" Max.	29.9	30.7	37.6	49.3	61.8	73.1	77.7	76.0	67.5	57.4	43.2	36.8
4" Min.	29.5	30.5	35.5	44.7	56.1	65.4	71.0	70.4	62.5	54.4	40.2	35.4
8" Max.	31.4	32.0	36.9	49.2	61.2	72.3	76.3	72.2	68.5	60.0	45.5	38.2
8" Min.	30.6	32.0	36.0	45.6	57.0	66.3	72.0	72.8	64.8	56.6	42.3	36.3
ST. LAWRENCE VALLEY												
CANTON												
4" Max.	31.9	31.9	33.6	45.7	57.4	66.8	72.3	74.0	63.9	55.1	44.9	36.7
4" Min.	31.3	31.4	31.3	40.8	52.5	62.4	67.2	68.5	59.2	51.3	41.4	35.2
8" Max.	31.1	31.9	32.0	42.7	54.1	63.3	68.7	70.4	61.4	53.3	43.2	36.2
8" Min.	31.1	31.8	31.0	40.4	51.8	61.4	66.4	67.7	58.8	51.4	41.2	35.0
CENTRAL LAKES												
GENEVA												
Bare Ground												
4" Max.	32.2	32.0	40.5	52.8	62.2	77.9	80.5	79.7	70.2	57.3	45.6	38.5
4" Min.	30.1	30.9	34.6	40.7	48.6	61.9	65.5	66.0	57.1	47.9	38.8	34.1
8" Max.	33.7	33.9	39.6	48.1	57.8	70.8	76.0	75.8	67.4	56.1	45.0	38.8
8" Min.	32.1	33.7	37.0	43.0	51.9	63.8	66.7	67.2	59.6	50.0	40.7	35.2
Sod												
4" Max.	32.6	33.9	40.4	1/	1/	71.3	76.1	75.3	67.0	56.2	45.2	38.8
4" Min.	31.4	32.6	36.6	1/	1/	63.3	67.7	68.3	61.0	51.5	41.5	35.2
8" Max.	32.8	33.0	39.5	45.7	56.1	65.0	72.5	72.5	65.5	55.7	45.3	39.2
8" Min.	32.6	33.0	38.4	44.1	54.4	62.9	67.7	68.6	62.1	52.9	42.7	36.5
ITHACA												
4" Max.	33.4	34.9	41.9	50.6	60.4	70.5	75.5	75.5	68.5	60.1	47.9	40.5
4" Min.	33.2	34.6	39.0	45.4	55.3	64.8	70.0	70.9	64.4	55.9	44.3	37.5
8" Max.	34.3	35.9	42.5	49.3	59.7	69.2	74.0	74.7	68.9	60.9	49.3	42.1
8" Min.	34.0	35.6	40.9	47.0	57.2	66.3	71.5	72.2	66.4	58.7	46.9	40.5

1/ Data not available.

Weather information and data furnished in cooperation by National Weather Service, NOAA, U.S. Dept. of Commerce.

Table 107. HEATING DEGREE DAYS: Selected Stations, January-December 1990 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany	900	1,026	839	500	298	44	5	6	148	388	689	964
Batavia	965	991	846	512	306	35	4	10	140	400	662	973
Binghamton	1,031	1,013	873	549	373	74	35	34	225	415	721	1,018
Bridgehampton	854	798	779	534	282	38	6	4	94	246	573	768
Buffalo	970	995	866	518	311	46	5	2	141	395	640	941
Canton	1,166	1,214	1,065	628	407	94	45	35	258	528	781	1,142
Chazy	1,107	1,234	1,018	594	377	76	16	13	222	471	771	1,145
Cooperstown	1,032	1,021	891	501	377	85	26	19	225	409	748	1,027
Dansville	955	917	817	508	310	57	21	24	145	403	633	929
Elmira	954	940	811	590	321	62	12	23	167	378	658	944
Fredonia	894	884	796	520	303	54	4	5	108	323	586	911
Geneva	2/	1,006	875	551	347	60	17	19	170	419	668	996
Glens Falls	1,110	1,156	923	554	354	66	14	14	201	465	763	1,059
Gloversville	1,095	1,127	1,006	624	397	83	17	23	238	449	803	2/
Ithaca	1,002	1,011	864	550	345	76	23	33	198	407	709	989
Liberty	1,075	1,046	887	611	403	111	46	39	266	387	757	1,045
Little Valley	1,067	998	945	609	412	131	35	61	220	455	736	1,031
Lowville	1,127	1,195	1,032	633	427	129	63	53	280	517	860	1,151
Massena	1,157	1,205	1,072	611	403	86	27	5	255	524	792	1,201
New York City	735	698	645	367	159	3	2	0	38	145	474	670
Poughkeepsie	931	942	793	486	274	45	15	9	161	348	677	927
Riverhead	817	744	682	460	192	11	1	1	58	159	471	590
Rochester	967	993	853	520	327	46	7	6	171	406	669	959
Syracuse	976	1,001	849	496	319	43	4	4	160	386	675	967
Utica	1,039	1,108	880	547	384	88	15	15	206	437	756	1,057
Watertown	1,059	1,146	931	562	344	69	31	12	180	469	724	1,034

1/ One heating degree day is accumulated for each whole degree that the daily mean temperature is below 65 degrees Fahrenheit.
2/ Data not available.
Weather information and data furnished in cooperation by National Weather Service, NOAA, U.S. Dept. of Commerce.

Table 108. FERTILIZER: Consumption by Kind, Years Ended June 30, 1981-1990 1/

Kind of Fertilizer	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
					1,000 tons					
Total Fertilizer, All Kinds	655.9	621.7	605.0	654.7	707.3	604.7	593.5	539.0	544.4	657.9
Single Nutrient Fertilizers, Total	194.4	169.9	181.5	219.9	232.3	194.3	149.8	161.7	163.3	217.5
Nitrogen Materials, Total	117.8	103.1	88.6	110.9	120.1	100.7	85.9	85.0	85.9	124.5
Anhydrous ammonia	14.4	13.5	9.4	10.4	16.2	10.9	11.7	6.9	7.0	11.6
Nitrogen solutions	61.5	54.2	40.8	47.5	58.0	48.3	36.2	37.8	38.5	56.3
Urea	22.2	19.9	20.8	28.6	27.0	22.2	26.0	22.5	22.8	30.9
Ammonium nitrate	12.6	10.5	13.5	16.9	13.0	10.1	5.0	12.4	12.5	17.6
Ammonium sulfate	4.7	1.7	1.7	1.8	2.9	2.1	2.8	2.1	2.2	4.1
Other nitrogen materials	2.4	3.3	2.5	5.6	3.0	7.0	4.3	3.2	3.0	4.1
Phosphate Materials, Total	27.5	24.4	40.5	39.0	10.3	8.5	7.8	6.8	6.9	5.3
Superphosphates	8.1	7.0	10.8	25.7	9.6	5.6	7.1	5.2	5.3	5.1
Other phosphates	19.4	17.4	29.7	13.3	.7	3.0	.7	1.5	1.6	.2
Potash Materials, Total	49.1	42.4	52.4	70.0	101.9	85.1	56.1	69.8	70.5	87.7
Potassium chloride								43.7	44.2	54.7
Potassium sulfate 2/								22.4	22.6	29.1
Other potassium 2/								3.7	3.7	3.9
Multiple-Nutrient Fertilizers, Total	443.9	432.7	405.1	416.4	447.3	395.6	412.2	356.2	359.8	401.9
Secondary and Micronutrients, Total	2.3	4.4	4.2	4.7	4.7	2.8	13.4	4.6	4.7	2.6
Natural Organics, Total	15.3	14.7	14.3	13.7	23.0	12.1	18.1	16.5	16.6	35.7

Table 109. FERTILIZER: Consumption of Primary Plant Nutrients, Years Ended June 30, 1981-1990 1/

Year	Multiple-Nutrient Grades				All Fertilizers			
	N	Available P_2O_5	K_2O	Total	N	Available P_2O_5	K_2O	Total
				1,000 tons				
1981	43.0	70.2	65.7	178.9	92.9	81.3	93.1	267.3
1982	47.1	67.8	63.1	177.9	90.7	75.9	87.7	254.2
1983	44.6	61.2	58.0	163.8	82.1	78.4	88.4	248.9
1984	47.6	68.8	60.5	176.9	92.3	85.0	101.2	278.5
1985	49.6	73.7	59.1	182.4	97.2	78.2	107.0	282.3
1986	50.4	62.6	54.9	167.9	88.4	65.6	103.6	257.7
1987	49.6	63.7	65.5	178.8	85.0	66.4	98.3	249.7
1988	43.6	58.3	51.4	153.2	76.5	60.5	89.8	226.8
1989	43.6	58.7	51.5	153.7	76.8	60.9	90.3	228.0
1990	43.2	66.1	45.3	154.5	92.2	68.3	93.7	254.1

1/ May not add due to rounding. Beginning with 1985 these data were compiled by the Tennessee Valley Authority (TVA), Economics and Marketing Staff from reports provided by State regulatory officials. Data for years prior to 1985 were compiled from the same sources by the National Agricultural Statistics Service (NASS), U.S.D.A.
2/ Breakout not available prior to 1988.

Table 110. POPULATION: Resident Population, July 1, New York and United States, 1980-1990

Year	New York	United States	Year	New York	United States
	Thousands			Thousands	
1980	1/17,558	1/226,546	1986	17,795	241,107
1981	17,559	229,637	1987	17,835	243,419
1982	17,575	231,996	1988	17,909	245,785
1983	17,670	234,284	1989	N/A	248,239
1984	17,727	236,477	1990	1/17,990	1/248,710
1985	17,762	238,736			

Source: Bureau of Census, U.S. Department of Commerce. 1/ Census count on April 1.

Table 111. PER CAPITA UTILIZATION: Selected Commodities, United States, 1980-1989

Commodity		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
						Pounds					
VEGETABLES 1/											
Carrots,	Fresh	7.0	7.1	7.7	7.5	8.0	7.6	7.8	8.7	8.4	8.7
	Processed	3.4	3.4	2.9	3.0	4.0	3.2	3.0	3.1	3.3	3.0
Cauliflower,	Fresh	1.3	1.6	1.6	1.7	2.2	2.3	2.7	2.7	2.9	2.8
	Processed	.8	.9	.9	.8	.9	.9	.9	.9	.9	.8
Celery,	Fresh	7.8	7.7	7.8	7.4	7.5	7.4	7.0	7.1	7.7	7.9
Dry beans		5.2	5.3	6.4	6.4	5.0	7.0	6.6	5.0	6.8	5.5
Green peas,	Processed 2/	4.5	4.4	4.2	4.2	4.0	4.1	4.1	3.7	3.5	3.6
Lettuce		26.7	25.7	25.6	23.2	25.9	24.7	23.1	26.8	27.5	29.2
Onions 3/		13.7	13.0	15.7	15.4	16.2	16.9	17.2	16.8	18.1	17.9
Potatoes,	Fresh	51.1	45.7	46.8	49.7	48.8	46.7	49.4	48.9	51.4	49.8
	Processed	63.2	70.3	67.6	68.4	73.3	75.7	76.3	77.0	71.8	76.4
Snap beans,	Processed	5.9	6.3	5.7	5.5	5.4	5.6	5.3	5.4	5.5	5.8
Sweet Corn,	Fresh	7.2	7.1	7.1	7.3	7.6	7.6	7.2	7.4	6.7	7.5
	Processed	19.3	18.3	17.1	18.1	18.0	19.5	19.4	18.3	18.7	17.1
Tomatoes,	Fresh	13.4	13.2	13.4	13.7	15.3	16.1	17.2	17.0	17.9	17.9
	Processed	63.6	59.3	60.1	60.8	68.4	63.1	63.4	64.7	61.1	N/A
FRUITS 4/											
Apples,	Fresh	19.2	17.2	17.7	18.4	18.6	17.5	18.1	21.2	19.9	21.6
Peaches,	Fresh	5.7	5.5	4.0	4.1	5.4	4.0	4.6	4.7	5.1	4.2
	Processed	4.3	3.7	3.9	3.2	3.4	3.6	3.6	3.5	3.8	N/A
Pears,	Fresh	2.6	2.8	2.9	3.0	2.6	2.8	3.0	3.6	3.3	3.4
	Canned	1.8	1.7	1.8	1.7	1.4	1.3	1.5	1.6	1.6	1.6
Cherries,	Fresh	7	.6	.5	.8	.7	.4	.5	.7	.5	.5
	Processed 5/	.6	.6	.7	.7	.7	.7	.7	1.1	.8	.8
Grapes,	Fresh	3.8	4.0	6.2	6.0	6.5	7.4	7.3	7.6	8.0	6.9
	Canned juice	.7	.7	.6	.9	.8	.5	.5	.8	.8	N/A
Strawberries,	Fresh	2.0	2.2	2.4	2.4	3.1	3.1	3.0	3.2	3.1	3.3
	Processed	1.4	1.3	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.5
MEATS 6/											
Beef		76.6	77.2	76.9	78.4	78.2	78.9	78.5	73.5	72.3	68.9
Veal		1.5	1.6	1.6	1.6	1.7	1.8	1.8	1.5	1.4	1.2
Lamb and mutton		1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3	1.4	1.5
Pork		68.7	65.5	59.1	62.4	61.9	62.4	59.0	59.7	63.5	63.2
DAIRY PRODUCTS 7/											
American cheese		9.6	10.2	11.3	11.6	11.8	12.1	12.1	12.3	11.4	11.0
Italian cheese		4.4	4.5	4.8	5.3	5.8	6.4	7.0	7.6	8.1	8.4
Total cheese 8/		17.5	18.2	19.9	20.5	21.4	22.5	23.0	24.0	23.6	23.7
Cottage cheese		4.5	4.3	4.2	4.1	4.1	4.1	4.1	3.9	3.9	3.5
Ice cream		17.5	17.4	17.6	18.0	18.1	18.1	18.4	18.3	17.2	16.0
Ice milk		7.1	7.0	6.6	6.9	7.0	6.9	7.2	7.4	7.9	8.3
Butter		4.5	4.2	4.3	4.9	4.9	4.9	4.6	4.6	4.5	4.3
Fluid milk and cream 9/		246	242	235	235	237	240	240	237	233	230
POULTRY PRODUCTS											
Chickens 6/		50.5	52.0	53.3	54.0	55.8	58.2	59.4	63.3	65.2	68.9
Turkeys		10.5	10.8	10.8	11.3	11.4	12.1	13.3	15.2	15.9	17.1
Eggs, number		272	265	265	261	261	256	254	254	246	236

Source: Economic Research Service, U.S. Dept. of Agriculture.
1/ Farm weight basis. 2/ In-shell basis. 3/ Includes fresh and processing. 4/ Fresh fruits on farm weight basis. Processed categories are on product weight basis. 5/ Excludes brined. 6/ Retail weight basis. 7/ Product weight basis unless otherwise noted. 8/ Excludes cottage cheese. 9/ Commercial sales and on-farm consumption. Includes whole, lowfat, skim, buttermilk, flavored milk and drinks, cream, sour cream, dips, eggnog and yogurt. N/A - Not available.

Table 112. FARM REAL ESTATE VALUES: Average Value Per Acre of Land and Buildings, by State, 1982-1991 1/

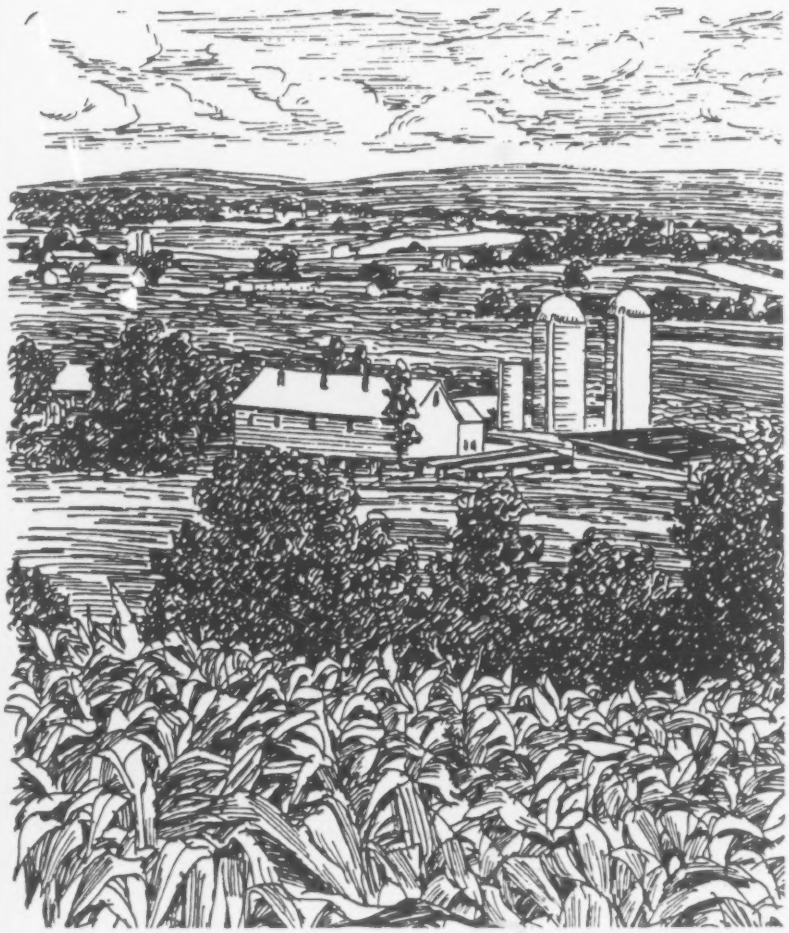
State	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
	Dollars									
Northeast										
Maine	680	708	713	774	854	885	962	1,019	1,019	978
New Hampshire	1,136	1,174	1,253	1,439	1,682	1,847	2,112	2,237	2,237	2,148
Vermont	815	842	862	947	1,060	1,114	1,124	1,190	1,190	1,142
Massachusetts	1,874	1,963	2,083	2,377	2,761	3,012	3,553	3,763	3,763	3,612
Rhode Island	2,729	2,760	2,770	2,990	3,284	3,389	4,748	5,028	5,028	4,827
Connecticut	2,610	2,655	2,723	3,005	3,372	3,557	4,171	4,417	4,417	4,240
New York	821	817	848	820	843	960	993	1,024	974	1,031
New Jersey	3,181	3,140	2,959	2,951	2,997	3,729	3,969	4,543	4,634	4,912
Pennsylvania	1,513	1,520	1,596	1,427	1,332	1,540	1,579	1,874	1,807	1,757
Delaware	1,787	1,829	1,840	1,596	1,684	1,677	1,765	2,058	2,259	2,248
Maryland	2,376	2,121	2,236	2,197	2,023	2,009	2,261	2,462	2,420	2,196
Lake States										
Michigan	1,278	1,223	1,255	1,108	1,012	924	971	983	1,005	1,085
Wisconsin	1,144	1,113	1,104	944	836	777	826	846	803	853
Minnesota	1,272	1,165	1,131	898	694	587	700	745	805	873
Corn Belt										
Ohio	1,629	1,504	1,500	1,215	1,136	1,097	1,199	1,262	1,204	1,217
Indiana	1,804	1,610	1,647	1,344	1,167	1,061	1,158	1,244	1,244	1,275
Illinois	2,023	1,837	1,845	1,381	1,232	1,149	1,262	1,383	1,389	1,433
Iowa	1,889	1,684	1,518	1,091	873	786	947	1,101	1,102	1,157
Missouri	945	856	875	689	648	604	640	673	679	689
Northern Plains										
North Dakota	455	439	447	373	334	303	319	326	340	368
South Dakota	349	348	363	289	267	238	269	291	328	351
Nebraska	730	701	645	485	416	400	457	523	550	556
Kansas	628	601	597	488	415	373	413	435	462	467
Appalachian										
Virginia	1,096	1,125	1,125	1,112	1,179	1,154	1,198	1,333	1,516	1,295
West Virginia	723	688	698	607	616	633	682	702	613	625
North Carolina	1,297	1,314	1,429	1,331	1,254	1,259	1,263	1,317	1,263	1,243
Kentucky	1,058	1,049	1,034	955	941	878	896	911	981	962
Tennessee	1,040	1,014	1,024	944	935	936	1,001	1,002	996	988
Southeast										
South Carolina	980	946	926	898	870	792	871	939	909	948
Georgia	926	929	921	886	853	889	920	998	1,012	995
Florida	1,518	1,576	1,645	1,599	1,537	1,605	1,790	1,887	2,085	2,133
Alabama	885	826	824	797	803	786	800	822	839	791
Delta States										
Mississippi	981	894	950	855	778	685	697	713	728	754
Arkansas	1,096	972	964	907	779	724	761	778	750	770
Louisiana	1,414	1,351	1,430	1,407	1,191	921	940	954	915	905
Southern Plains										
Oklahoma	725	699	718	597	520	475	480	521	497	486
Texas	539	544	612	694	594	546	544	515	495	481
Mountain States										
Montana	271	259	276	243	233	200	205	209	238	243
Idaho	839	814	808	739	631	552	572	595	661	659
Wyoming	193	193	199	181	159	157	147	142	149	153
Colorado	451	454	469	437	360	368	369	367	358	410
New Mexico	195	178	194	185	161	156	180	191	196	230
Arizona	302	289	311	295	271	299	279	274	263	285
Utah	589	560	570	513	476	451	425	421	389	403
Nevada	268	249	262	244	219	240	227	234	194	219
Pacific States										
Washington	922	933	972	943	840	756	739	757	779	798
Oregon	705	705	719	615	570	541	542	535	571	583
California	1,900	1,918	1,981	1,841	1,730	1,554	1,575	1,657	1,704	1,787
48 States	823	788	801	713	640	599	632	661	668	682

Source: Economic Research Service, U.S. Dept. of Agriculture.

1/ Estimates are for April 1, 1982-85, February 1, 1986-89; and January 1, 1990-91. These values are based on annual surveys conducted by U.S. Dept. of Agriculture and benchmark data obtained from the Census of Agriculture, U.S. Dept. of Commerce.

NEW YORK STATE
Counties

COUNTY ESTIMATES



County estimates are published annually by the New York Agricultural Statistics Service for a number of crops, livestock, and farm land use categories. Acreage, yield, and production estimates are made for corn, oats, wheat, and hay. Livestock estimates include the January 1 inventory of cattle, beef cows, and milk cows on farms, plus the annual average number of milk cows, annual production per cow and total milk production. County estimates of the number of farms and total land in farms, include a breakout of cropland, permanent pasture, and woodland acreage.

Several important sources of information provide the basis for these annual county estimates. Preliminary estimates of crops, farm land use, and livestock numbers are developed from a large scale survey at the end of each year in which over 15,000 farmers across the state are contacted. County acreage information from the Agricultural Stabilization and Conservation Service also receives consideration in preparing several crop estimates. Annual milk production per cow is based on the combined results of milk production surveys conducted monthly throughout the year. Also, state and federal milk marketing order data by county are used in developing a balance between cow numbers, rates of production, and total milk produced.

Revisions, if necessary, are made after a thorough review of the original estimates, taking into consideration data that become available after the original estimates are prepared. These sources include administrative data such as milk marketing receipts and the Census of Agriculture. The Census of Agriculture, collected and published every five years by the U.S. Department of Commerce, does not make allowances for incompleteness. For this reason census numbers are generally lower than data published in this publication.

County estimates set by the New York Agricultural Statistics Service include allowances or expansions for farmers not sampled, non-respondents, inaccessibles, and refusals. Milk production totals that exceed reported marketings include a small quantity of milk being used on farms where produced. All county level estimates do add to state level data shown elsewhere in this publication.

Table 113. FARMLAND: Farms, Land in Farms and Land Use, by County, 1989

County	Number of farms	Land in farms	Total cropland 1/	Permanent pasture 2/	Total woodland 3/	Other land 4/
	Number			Acres		
Albany	475	67,600	39,700	6,200	13,900	7,800
Allegany	830	195,000	101,800	19,800	55,800	17,600
Broome	610	116,700	62,800	11,900	32,700	9,300
Cattaraugus	1,135	235,100	128,000	26,200	66,200	14,700
Cayuga	1,030	263,500	202,500	13,000	31,600	16,400
Chautauqua	2,040	291,900	170,300	23,300	72,100	26,200
Chemung	340	64,200	36,800	4,300	15,000	8,100
Chenango	965	221,300	116,100	27,400	60,700	17,100
Clinton	615	174,900	90,500	13,200	59,900	11,300
Columbia	585	134,600	89,500	9,200	25,300	10,600
Cortland	550	149,700	79,500	20,800	33,800	15,600
Delaware	915	224,900	107,500	37,600	69,700	10,100
Dutchess	635	121,400	70,600	12,100	26,100	12,600
Erie	1,240	166,700	122,300	7,800	27,000	9,600
Essex	230	59,300	26,500	4,900	22,400	5,500
Franklin	575	154,700	91,100	21,200	38,000	4,400
Fulton	200	38,900	24,000	2,200	8,400	4,300
Genesee	685	185,600	154,400	5,800	15,500	9,900
Greene	290	56,000	23,000	8,700	17,100	7,200
Herkimer	730	177,000	109,300	23,800	30,100	13,800
Jefferson	1,095	338,800	229,000	35,800	45,200	28,800
Lewis	730	192,800	115,100	18,800	43,600	15,300
Livingston	760	233,300	182,600	11,900	28,100	10,700
Madison	815	208,100	138,400	23,500	32,700	13,500
Monroe	705	128,500	114,500	3,800	9,000	1,200
Montgomery	635	156,900	122,000	9,200	16,300	9,400
Nassau	65	1,500	700	400	200	200
Niagara	955	149,200	126,200	1,800	9,900	11,300
Oneida	1,295	283,400	182,800	32,600	53,900	14,100
Onondaga	800	160,600	120,300	8,300	15,500	16,500
Ontario	865	199,200	163,500	4,700	17,600	13,400
Orange	820	115,800	78,000	8,900	16,500	12,400
Orleans	600	149,300	126,800	2,900	13,500	6,100
Oswego	775	119,500	74,300	9,400	25,500	10,300
Otsego	1,065	265,800	139,600	31,900	71,600	22,700
Putnam	50	5,600	1,600	700	2,800	500
Rensselaer	540	106,300	64,500	8,700	23,600	9,500
Rockland	30	1,000	700	0	200	100
St. Lawrence	1,660	452,300	245,900	55,800	123,100	27,500
Saratoga	545	82,900	52,500	4,400	18,400	7,600
Schenectady	190	22,300	12,000	2,000	4,700	3,600
Schoharie	590	130,800	86,100	12,600	27,100	5,000
Schuyler	385	76,300	42,500	8,800	15,500	9,500
Seneca	445	126,000	102,200	2,100	11,300	10,400
Steuben	1,450	392,300	234,700	30,900	94,800	31,900
Suffolk	720	43,400	35,500	700	1,800	5,400
Sullivan	385	60,500	30,900	7,400	18,600	3,600
Tioga	600	126,200	71,200	13,600	32,300	9,100
Tompkins	545	109,200	75,600	6,200	18,800	8,600
Ulster	555	79,000	42,800	5,800	19,500	10,900
Warren	60	8,800	2,100	500	4,700	1,500
Washington	890	240,700	150,600	23,900	53,700	12,500
Wayne	1,100	191,800	142,800	7,000	24,800	17,200
Westchester	125	8,600	4,000	400	2,300	1,900
Wyoming	840	218,900	155,300	12,000	35,700	15,900
Yates	640	115,400	86,500	3,200	15,900	9,800
TOTAL	39,000	8,400,000	5,400,000	710,000	1,670,000	620,000

1/ Includes cropland pastured.
2/ Excludes cropland and woodland pastured.
3/ Includes woodland pastured.
4/ Land in house lots, ponds, roads, wasteland, etc.

Table 114. FARMLAND: Farms, Land in Farms and Land Use, by County, 1990

County	Number of farms	Land in farms	Total cropland 1/	Permanent pasture 2/	Total woodland 3/	Other land 4/
	Number			Acres		
Albany	475	68,700	44,300	6,000	12,700	5,700
Allegany	825	196,700	103,600	19,700	54,400	19,000
Broome	590	114,800	59,300	13,400	32,900	9,200
Cattaraugus	1,130	236,800	128,500	26,000	65,500	16,800
Cayuga	1,015	261,900	203,700	11,000	31,700	15,500
Chautauqua	2,025	293,100	168,300	24,700	72,600	27,500
Chemung	330	63,100	36,100	4,200	15,000	7,800
Chenango	955	220,900	116,300	27,600	60,800	16,200
Clinton	600	173,000	88,900	13,600	59,300	11,200
Columbia	570	132,500	87,700	8,500	23,900	12,400
Cortland	540	148,800	79,600	21,500	34,500	13,200
Delaware	915	229,000	103,800	38,900	73,800	12,500
Dutchess	620	120,200	69,900	11,300	27,000	12,000
Erie	1,230	167,400	122,900	8,000	27,100	9,400
Essex	225	59,000	26,400	4,900	22,700	5,000
Franklin	565	153,600	90,600	20,400	37,000	5,600
Fulton	195	38,300	22,900	2,200	9,200	4,000
Genesee	670	184,300	152,400	6,000	15,800	10,100
Greene	285	55,100	23,200	9,300	16,700	5,900
Herkimer	715	175,800	108,400	25,000	29,300	13,100
Jefferson	1,065	333,700	223,600	34,400	48,300	27,400
Lewis	720	192,900	113,800	21,000	43,200	14,900
Livingston	760	236,100	181,200	11,700	33,700	9,500
Madison	810	208,700	135,800	25,400	33,700	13,800
Monroe	675	124,200	107,700	4,000	9,300	3,200
Montgomery	630	157,300	121,100	10,700	16,800	8,700
Nassau	60	1,400	600	400	200	200
Niagara	935	147,800	127,100	1,600	9,100	10,000
Oneida	1,300	290,700	178,200	33,700	60,900	17,900
Onondoga	805	165,600	124,700	9,200	16,900	14,800
Ontario	845	197,100	162,300	5,200	17,800	11,800
Orange	810	116,200	73,600	9,900	20,700	12,000
Orleans	590	148,500	127,200	2,300	12,700	6,300
Oswego	750	117,200	73,700	9,200	24,700	9,600
Otsego	1,055	266,600	138,700	36,100	69,600	22,200
Putnam	50	5,700	2,000	500	2,900	300
Rensselaer	540	107,400	64,800	8,200	25,000	9,400
Rockland	30	1,000	600	0	300	100
St. Lawrence	1,640	451,600	244,300	54,900	119,900	32,500
Saratoga	540	83,000	53,300	4,600	18,600	6,500
Schenectady	190	22,400	12,000	1,800	4,800	3,800
Schoharie	590	133,600	87,200	13,100	27,500	5,800
Schuyler	355	71,500	41,800	7,100	14,100	8,500
Seneca	445	126,700	102,400	2,900	11,300	10,100
Steuben	1,430	392,200	233,600	33,700	93,700	31,200
Suffolk	705	42,900	34,300	700	1,800	6,100
Sullivan	380	59,800	28,200	10,300	18,000	3,300
Tioga	595	126,800	69,800	13,800	32,800	10,400
Tompkins	540	109,100	73,900	7,800	18,200	9,200
Ulster	540	77,800	43,300	6,200	19,600	8,701
Warren	60	8,900	2,200	400	4,700	1,600
Washington	885	241,300	153,700	22,400	53,600	11,600
Wayne	1,105	197,100	140,600	7,700	30,900	17,900
Westchester	125	8,700	4,000	500	2,300	1,900
Wyoming	840	221,100	157,100	12,000	34,600	17,400
Yates	630	114,400	84,800	4,400	15,900	9,300
TOTAL	38,500	8,400,000	5,360,000	730,000	1,690,000	620,000

1/ Includes cropland pastured.
2/ Excludes cropland and woodland pastured.
3/ Includes woodland pastured.
4/ Land in house lots, ponds, roads, wasteland, etc.

Table 115. HAY: Acreage, Yield, and Production, by County, 1989 1/

County	Alfalfa Hay			Other Hay			Total Hay		
	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production
	Acres	Tons		Acres	Tons		Acres	Tons	
Albany	9,500	2.2	20,900	18,000	1.8	32,400	27,500	1.9	53,300
Allegany	17,000	2.3	39,100	40,000	2.0	80,000	57,000	2.1	119,100
Broome	6,500	2.5	16,200	28,000	2.0	56,000	34,500	2.1	72,200
Cattaraugus	18,000	2.5	45,000	46,500	2.1	97,600	64,500	2.2	142,600
Cayuga	37,000	2.6	96,200	12,500	2.3	28,800	49,500	2.5	125,000
Chautauqua	12,000	2.7	32,400	59,000	2.3	135,700	71,000	2.4	168,100
Chemung	7,000	2.3	16,100	12,000	1.5	18,000	19,000	1.8	34,100
Chenango	26,000	2.5	65,000	40,500	2.2	89,100	66,500	2.3	154,100
Clinton	12,000	2.3	27,600	26,000	2.0	52,000	38,000	2.1	79,600
Columbia	16,500	2.6	42,900	13,500	1.8	24,300	30,000	2.2	67,200
Cortland	17,500	2.6	45,500	19,500	2.1	40,900	37,000	2.3	86,400
Delaware	18,000	2.5	45,000	61,000	2.2	134,200	79,000	2.3	179,200
Dutchess	13,500	2.8	37,800	14,000	2.0	28,000	27,500	2.4	65,800
Erie	17,500	2.8	49,000	33,500	2.1	70,300	51,000	2.3	119,300
Essex	3,600	2.2	7,900	8,300	1.8	15,000	11,900	1.9	22,900
Franklin	12,000	2.6	31,200	38,000	2.1	79,800	50,000	2.2	111,000
Fulton	2,900	2.2	6,400	8,500	1.8	15,300	11,400	1.9	21,700
Genesee	19,000	2.7	51,300	5,000	1.9	9,500	24,000	2.5	60,800
Greene	4,200	2.4	10,000	16,500	1.8	29,700	20,700	1.9	39,700
Hamilton	2/	2/	2/	2/	2/	2/	2/	2/	2/
Herkimer	34,500	2.5	86,200	23,500	2.3	54,000	58,000	2.4	140,200
Jefferson	30,000	2.2	66,000	69,000	1.8	124,500	99,000	1.9	190,500
Lewis	25,500	2.4	61,200	30,000	2.3	69,000	55,500	2.3	130,200
Livingston	27,000	2.5	67,500	10,500	1.9	20,000	37,500	2.3	87,500
Madison	31,000	2.2	68,200	17,500	2.0	35,000	48,500	2.1	103,200
Monroe	12,500	2.6	32,500	5,000	2.0	10,000	17,500	2.4	42,500
Montgomery	29,000	2.2	63,800	29,500	1.9	56,000	58,500	2.0	119,800
Nassau	2/	2/	2/	2/	2/	2/	2/	2/	2/
Niagara	12,000	2.3	27,600	22,000	1.8	39,600	34,000	2.0	67,200
Oneida	42,000	2.6	108,900	39,500	2.2	86,900	81,500	2.4	195,800
Onondaga	23,500	2.7	63,400	9,500	2.2	20,900	33,000	2.6	84,300
Ontario	16,000	2.5	40,000	6,500	2.4	15,600	22,500	2.5	55,600
Orange	12,000	2.2	26,400	19,000	1.9	36,100	31,000	2.0	62,500
Orleans	9,500	2.8	26,600	5,500	2.0	11,000	15,000	2.5	37,600
Oswego	5,500	2.5	13,700	23,000	2.2	50,600	28,500	2.3	64,300
Otsego	31,000	2.1	65,100	37,500	2.0	75,000	68,500	2.0	140,100
Putnam	300	2.0	600	900	1.8	1,600	1,200	1.8	2,200
Rensselaer	12,500	2.6	32,500	19,000	1.9	36,100	31,500	2.2	68,600
Rockland	2/	2/	2/	2/	2/	2/	2/	2/	2/
St. Lawrence	24,500	2.3	56,300	103,000	1.8	185,400	127,500	1.9	241,700
Saratoga	10,000	2.4	24,000	11,500	2.2	25,300	21,500	2.3	49,300
Schenectady	600	2.5	1,500	10,000	1.6	16,000	10,600	1.7	17,500
Schoharie	22,000	2.5	55,000	22,500	1.9	42,700	44,500	2.2	97,700
Schuyler	6,000	2.8	16,800	12,500	2.0	25,000	18,500	2.3	41,800
Seneca	13,500	2.5	33,700	10,000	1.7	17,000	23,500	2.2	50,700
Steuben	43,500	2.3	100,000	63,500	1.8	114,300	107,000	2.0	214,300
Suffolk	400	2.0	800	400	2.0	800	800	2.0	1,600
Sullivan	1,800	2.0	3,600	24,000	2.0	48,000	25,800	2.0	51,600
Tioga	9,500	2.3	21,800	24,500	2.2	53,900	34,000	2.2	75,700
Tompkins	8,500	2.4	20,400	13,000	2.0	26,000	21,500	2.2	46,400
Ulster	4,900	2.5	12,200	15,500	1.7	26,300	20,400	1.9	38,500
Warren	400	2.0	800	700	1.9	1,300	1,100	1.9	2,100
Washington	21,500	2.2	47,300	26,000	1.9	49,400	47,500	2.0	96,700
Wayne	11,000	2.7	29,700	5,500	2.2	12,100	16,500	2.5	41,800
Westchester	1,100	2.3	2,500	800	1.5	1,200	1,900	1.9	3,700
Wyoming	23,000	2.5	57,500	19,000	2.2	41,800	42,000	2.4	99,300
Yates	14,000	2.7	37,800	9,500	1.5	14,300	23,500	2.2	52,100
Other Counties	300	2.0	600	400	1.8	700	700	1.9	1,300
TOTAL	840,000	2.45	2,058,000	1,240,000	2.00	2,480,000	2,080,000	2.18	4,538,000

1/ Dry hay only. Excludes silage and green chop. 2/ Included in Other Counties.

Table 116. HAY: Acreage, Yield, and Production, by County, 1990 1/

County	Alfalfa Hay			Other Hay			Total Hay		
	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production
	Acres	Tons		Acres	Tons		Acres	Tons	
Albany	10,100	2.0	20,500	14,200	1.8	25,400	24,300	1.9	45,900
Allegany	16,400	2.2	35,700	35,600	1.8	65,200	52,000	1.9	100,900
Broome	7,100	3.0	21,200	21,900	1.9	40,800	29,000	2.1	62,000
Cattaraugus	16,900	2.6	44,700	40,000	2.0	80,800	56,900	2.2	125,500
Cayuga	37,700	2.9	108,000	11,900	2.5	29,600	49,600	2.8	137,600
Chautauqua	12,400	3.2	39,500	56,900	2.2	123,100	69,300	2.3	162,600
Chemung	7,100	3.1	22,200	10,100	1.8	17,900	17,200	2.3	40,100
Chenango	23,300	1.9	43,700	41,200	2.0	81,900	64,500	1.9	125,600
Clinton	18,000	2.3	41,800	20,800	1.8	38,200	38,800	2.1	80,000
Columbia	15,700	2.8	43,800	15,100	1.5	23,300	30,800	2.2	67,100
Cortland	16,400	2.7	44,400	18,400	1.9	34,400	34,800	2.3	78,800
Delaware	16,500	3.0	49,100	53,700	1.8	97,700	70,200	2.1	146,800
Dutchess	13,400	2.9	38,700	13,100	2.5	32,600	26,500	2.7	71,300
Erie	15,800	3.1	48,400	30,300	2.0	60,300	46,100	2.4	108,700
Essex	9,400	2.0	19,200	6,000	1.7	10,100	15,400	1.9	29,300
Franklin	17,000	2.7	45,300	32,800	2.3	76,000	49,800	2.4	121,300
Fulton	3,200	3.0	9,700	6,500	1.8	11,700	9,700	2.2	21,400
Genesee	18,100	2.6	46,600	5,000	2.5	12,600	23,100	2.6	59,200
Greene	4,200	3.3	13,800	14,300	1.9	27,600	18,500	2.2	41,400
Hamilton	-	-	-	-	-	-	-	-	-
Herkimer	29,900	2.8	82,800	22,700	2.4	53,700	52,600	2.6	136,500
Jefferson	33,200	2.5	82,100	61,800	1.7	107,800	95,000	2.0	189,900
Lewis	25,100	2.4	59,400	25,900	2.1	54,700	51,000	2.2	114,100
Livingston	25,900	2.8	71,500	10,600	1.8	18,800	36,500	2.5	90,300
Madison	34,000	2.6	88,100	18,300	1.9	34,400	52,300	2.3	122,500
Monroe	13,000	2.0	26,000	4,500	2.2	9,900	17,500	2.1	35,900
Montgomery	29,800	2.6	76,300	26,200	2.2	56,600	56,000	2.4	132,900
Nassau	-	-	-	-	-	-	-	-	-
Niagara	12,800	2.4	30,300	18,600	1.8	32,900	31,400	2.0	63,200
Oneida	40,500	2.5	99,800	37,100	1.9	71,900	77,600	2.2	171,700
Onondoga	23,900	2.6	61,900	8,300	2.1	17,300	32,200	2.5	79,200
Ontario	18,700	2.7	50,700	6,100	1.8	11,200	24,800	2.5	61,900
Orange	11,100	2.9	31,900	18,700	1.8	34,300	29,800	2.2	66,200
Orleans	9,900	3.2	31,900	5,200	2.3	12,200	15,100	2.9	44,100
Oswego	8,000	2.2	17,400	20,700	2.1	44,500	28,700	2.2	61,900
Otsego	32,900	2.2	73,100	36,400	2.0	71,400	69,300	2.1	144,500
Putnam	200	2.0	400	700	1.7	1,200	900	1.8	1,600
Rensselaer	12,100	2.0	24,800	15,100	1.9	28,000	27,200	1.9	52,800
Rockland	-	-	-	-	-	-	-	-	-
St. Lawrence	24,700	2.6	63,500	92,300	1.8	170,400	117,000	2.0	233,900
Saratoga	9,700	2.5	24,700	10,300	2.0	21,100	20,000	2.3	45,800
Schenectady	800	1.9	1,500	7,800	1.4	11,200	8,600	1.5	12,700
Schoharie	21,400	2.0	42,200	22,100	2.0	45,000	43,500	2.0	87,200
Schuyler	8,500	1.8	15,100	10,000	1.8	17,500	18,500	1.8	32,600
Seneca	12,600	2.5	30,900	9,200	2.7	24,700	21,800	2.6	55,600
Steuben	40,300	2.5	100,600	57,500	1.6	91,400	97,800	2.0	192,000
Suffolk	400	2.0	800	600	2.2	1,300	1,000	2.1	2,100
Sullivan	1,700	2.0	3,400	19,800	1.8	35,300	21,500	1.8	38,700
Tioga	11,500	3.1	36,000	21,500	1.9	40,800	33,000	2.3	76,800
Tompkins	9,800	3.3	32,300	10,500	2.1	22,200	20,300	2.7	54,500
Ulster	4,400	2.9	12,700	12,400	2.3	28,400	16,800	2.4	41,100
Warren	600	2.7	1,600	400	1.3	500	1,000	2.1	2,100
Washington	21,900	2.1	46,000	25,800	2.0	50,900	47,700	2.0	96,900
Wayne	14,000	2.4	33,800	5,400	2.2	12,000	19,400	2.4	45,800
Westchester	800	1.3	1,000	690	1.5	900	1,400	1.4	1,900
Wyoming	22,700	2.9	66,900	20,000	2.1	42,400	42,700	2.6	109,300
Yates	14,500	2.4	35,300	9,100	2.0	18,000	23,600	2.3	53,300
Other Counties	-	-	-	-	-	-	-	-	-
TOTAL	860,000	2.55	2,193,000	1,120,000	1.95	2,184,000	1,980,000	2.21	4,377,000

1/ Dry hay only. Excludes silage and green chop.

Table 117. CORN: Acreage, Yield, and Production, by County, 1989

County	All Planted	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	Acres	Acres	Bushels		Acres	Tons	
Albany	7,000	2,600	109	283,400	3,900	12.5	48,800
Allegany	13,500	4,700	84	394,800	8,600	12.0	103,200
Broome	10,500	2,600	96	249,600	7,500	13.0	97,500
Cattaraugus	20,500	5,600	84	470,400	14,600	12.0	175,200
Cayuga	80,500	59,500	99	5,890,500	19,800	14.0	277,200
Chautauqua	25,000	5,200	92	478,400	19,200	12.0	230,400
Chemung	7,000	2,800	80	224,000	3,900	10.0	39,000
Chenango	20,500	7,000	101	707,000	13,100	14.0	183,400
Clinton	19,500	7,100	110	781,000	12,100	15.0	181,500
Columbia	20,000	8,800	93	818,400	10,700	14.0	149,800
Cortland	21,000	8,600	107	920,200	11,800	14.0	165,200
Delaware	12,500	900	105	94,500	11,200	13.0	145,600
Dutchess	14,000	7,000	91	637,000	6,700	14.5	97,100
Erie	23,000	8,800	85	748,000	13,300	12.5	166,300
Essex	5,000	600	100	60,000	4,200	12.5	52,500
Franklin	13,500	2,300	108	248,400	10,900	16.5	179,900
Fulton	5,000	900	98	88,200	3,700	11.0	40,700
Genesee	40,000	26,700	75	2,002,500	12,300	11.5	141,500
Greene	2,000	600	75	45,000	1,300	12.0	15,600
Hamilton	-	-	-	-	-	-	-
Herkimer	21,000	9,600	95	912,000	11,000	14.5	159,500
Jefferson	35,000	13,200	92	1,214,400	20,900	13.0	271,700
Lewis	17,000	3,500	110	385,000	13,400	15.0	201,000
Livingston	48,000	32,000	97	3,104,000	14,800	11.5	170,900
Madison	39,000	16,700	93	1,553,100	21,700	13.0	282,100
Monroe	22,000	15,900	82	1,303,800	5,100	11.5	58,700
Montgomery	28,000	12,100	103	1,246,300	15,200	12.0	182,400
Nassau	-	-	-	-	-	-	-
Niagara	22,500	16,800	72	1,209,600	4,500	12.0	54,000
Oneida	44,000	24,900	104	2,589,600	18,100	13.0	235,300
Onondaga	38,500	26,200	96	2,515,200	11,600	14.0	162,400
Ontario	40,500	31,300	89	2,785,700	8,200	13.0	106,600
Orange	17,000	7,500	82	615,000	9,200	11.0	101,200
Orleans	27,500	21,400	81	1,733,400	5,100	11.5	58,700
Oswego	18,500	8,700	92	800,400	9,200	12.5	115,000
Otsego	24,000	7,800	103	803,400	15,700	12.0	188,400
Putnam	1/	1/	1/	1/	1/	1/	1/
Rensselaer	16,000	9,100	101	919,100	6,400	14.5	92,800
Rockland	1/	1/	1/	1/	1/	1/	1/
St. Lawrence	35,500	6,800	97	659,600	28,200	13.5	380,700
Saratoga	12,500	5,300	110	583,000	6,700	15.5	103,800
Schenectady	1,800	500	98	49,000	1,100	11.0	12,100
Schoharie	13,000	3,600	99	356,400	9,000	11.0	99,000
Schuyler	7,000	3,400	80	272,000	3,200	10.0	32,000
Seneca	31,100	24,500	89	2,180,500	5,400	13.5	72,900
Steuben	45,500	24,500	87	2,131,500	20,100	11.5	231,200
Suffolk	2,000	1,500	112	168,000	300	14.0	4,200
Sullivan	3,000	600	110	66,000	2,300	12.5	28,800
Tioga	14,000	4,500	91	409,500	9,200	13.5	124,200
Tompkins	19,000	9,700	95	921,500	8,700	14.0	121,800
Ulster	5,500	2,400	109	261,600	2,600	13.0	33,800
Warren	400	-	-	-	300	14.0	4,200
Washington	37,500	10,900	111	1,209,900	26,000	14.5	377,000
Wayne	37,500	29,800	93	2,771,400	6,500	12.5	81,300
Westchester	1/	1/	1/	1/	1/	1/	1/
Wyoming	48,000	10,200	98	999,600	36,500	12.0	439,400
Yates	18,000	12,600	89	1,121,400	5,000	14.5	72,500
Other Counties	200	200	89	17,800	-	-	-
TOTAL	1,150,000	570,000	93	53,010,000	550,000	13.0	7,150,000

1/ Included in Other Counties.

Table 118. CORN: Acreage, Yield, and Production, by County, 1990

County	All Planted	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	Acres	Acres	Bushels		Acres	Tons	
Albany	6,800	2,500	95	237,500	4,200	15.0	63,000
Allegany	14,000	4,500	110	495,000	9,200	12.5	115,000
Broome	10,400	2,500	98	245,000	7,800	17.0	132,600
Cattaraugus	22,000	6,900	93	641,700	14,600	15.5	226,300
Cayuga	86,700	71,800	104	7,467,200	14,600	18.0	262,800
Chautauqua	25,800	6,300	83	522,900	18,800	14.0	263,200
Chemung	7,100	4,300	106	455,800	2,700	15.0	40,600
Chenango	21,500	6,800	83	564,400	14,500	14.0	202,300
Clinton	21,700	7,200	91	655,200	14,200	12.0	170,000
Columbia	21,100	12,900	83	1,070,700	8,200	15.0	123,000
Cortland	21,300	8,200	105	861,000	13,000	15.0	195,000
Delaware	12,600	1,300	100	130,000	11,300	12.5	141,500
Dutchess	14,800	8,300	107	888,100	6,400	13.5	86,400
Erie	26,000	12,600	88	1,108,800	13,300	12.0	159,600
Essex	4,200	700	85	59,500	3,400	12.5	42,500
Franklin	13,700	1,300	88	114,400	12,300	15.0	184,500
Fulton	4,700	700	110	77,000	3,900	12.0	46,800
Genesee	42,100	24,300	100	2,430,000	17,700	15.5	274,500
Greene	1,900	400	85	34,000	1,500	14.5	21,800
Hamilton	-	-	-	-	-	-	-
Herkimer	21,400	8,900	83	738,700	12,300	15.0	184,500
Jefferson	34,700	11,000	86	946,000	23,400	14.5	339,300
Lewis	15,500	3,000	101	303,000	12,100	17.5	212,000
Livingston	52,100	31,400	102	3,202,800	20,300	14.0	285,000
Madison	38,600	17,400	92	1,600,800	21,000	15.5	324,500
Monroe	27,100	18,700	100	1,870,000	8,300	15.0	124,500
Montgomery	29,000	14,200	104	1,476,800	14,700	12.5	184,000
Nassau	-	-	-	-	-	-	-
Niagara	30,500	25,000	91	2,275,000	5,000	15.5	77,500
Oneida	43,900	23,500	103	2,420,500	19,900	15.5	307,500
Onondoga	42,400	30,500	97	2,958,500	11,800	17.5	206,500
Ontario	46,700	35,700	95	3,391,500	10,700	16.0	171,200
Orange	16,400	5,400	99	534,600	10,900	15.5	169,000
Orleans	31,600	25,700	110	2,827,000	5,800	15.5	89,900
Oswego	16,000	7,800	105	819,000	7,900	13.0	102,700
Otsego	24,900	7,300	92	671,600	17,500	14.5	254,400
Putnam	1/	1/	1/	1/	1/	1/	1/
Rensselaer	15,900	8,200	104	852,800	7,600	14.0	106,400
Rockland	1/	1/	1/	1/	1/	1/	1/
St.Lawrence	35,800	6,600	95	627,000	28,900	15.5	449,000
Saratoga	12,000	4,700	105	493,500	7,100	15.5	110,200
Schenectady	1,600	300	99	29,700	1,200	12.0	14,400
Schoharie	13,400	5,600	108	604,800	7,600	14.5	110,200
Schuyler	7,500	3,900	99	386,100	3,500	16.0	56,100
Seneca	33,500	27,300	99	2,702,700	6,000	16.0	96,000
Steuben	46,800	23,100	96	2,217,600	23,300	15.5	360,000
Suffolk	2,200	1,900	110	209,000	200	14.0	2,800
Sullivan	2,700	500	107	53,500	2,200	14.0	30,800
Tioga	14,000	5,300	92	487,600	8,600	15.0	129,000
Tompkins	20,600	13,400	98	1,313,200	7,000	14.5	101,500
Ulster	5,200	3,100	104	322,400	1,900	16.0	30,400
Warren	300	-	-	-	300	13.0	3,900
Washington	40,100	10,800	109	1,177,200	29,100	15.5	449,700
Wayne	39,600	29,800	90	2,682,000	9,600	16.0	153,600
Westchester	1/	1/	1/	1/	1/	1/	1/
Wyoming	49,500	12,300	93	1,143,900	36,900	17.0	628,000
Yates	19,900	14,000	96	1,344,000	5,800	14.5	84,100
OtherCounties	200	200	95	19,000	-	-	-
TOTAL	1,210,000	620,000	98	60,760,000	580,000	15.0	8,700,000

1/ Included in Other Counties.

Table 119. OATS: Acreage, Yield, and Production, by County, 1989-1990

County	Planted		Harvested		Yield		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	Acres		Acres		Bushels		Bushels	
Albany	500	1/	300	1/	56	1/	16,800	1/
Allegany	3,400	3,400	2,500	2,800	54	59	135,000	165,200
Broome	800	700	500	300	40	45	20,000	13,500
Cattaraugus	3,800	3,800	2,500	2,800	58	61	145,000	170,800
Cayuga	11,700	9,600	11,400	9,400	62	60	706,800	564,000
Chautauqua	4,900	3,800	3,400	2,400	55	65	187,000	156,000
Chemung	1,100	1,000	1,000	800	51	52	51,000	41,600
Chenango	1,900	2,000	1,700	1,400	63	49	107,100	68,600
Clinton	1,600	1,200	600	600	63	58	37,800	34,800
Columbia	1,600	1,400	900	1,200	53	59	47,700	70,800
Cortland	2,300	1,600	2,000	1,200	50	48	100,000	57,600
Delaware	1/	400	1/	200	1/	56	1/	11,200
Dutchess	900	900	700	800	45	51	31,500	40,800
Erie	3,100	3,400	2,900	2,900	51	62	147,900	179,800
Essex	500	300	200	200	41	45	8,200	9,000
Franklin	900	1,100	600	900	64	68	38,400	61,200
Fulton	500	500	300	200	50	52	15,000	10,400
Genesee	4,300	4,600	4,000	4,000	56	62	224,000	248,000
Greene	1/	1/	1/	1/	1/	1/	1/	1/
Hamilton	-	-	-	-	-	-	-	-
Herkimer	2,600	2,600	2,300	2,100	68	66	156,400	138,600
Jefferson	6,900	6,300	5,800	4,800	55	60	319,000	288,000
Lewis	3,500	3,000	2,800	2,100	67	45	187,600	94,500
Livingston	7,300	6,500	7,000	6,100	68	64	476,000	390,400
Madison	6,300	5,900	5,900	5,600	62	66	365,800	369,600
Monroe	3,400	3,700	3,200	3,600	68	54	217,600	194,500
Montgomery	3,600	3,700	2,500	2,500	61	52	152,500	130,000
Nassau	-	-	-	-	-	-	-	-
Niagara	4,300	4,100	4,100	3,800	57	66	233,700	250,800
Oneida	8,000	6,700	7,900	6,400	64	61	505,600	390,400
Onondaga	8,300	6,800	8,100	6,500	59	62	477,900	403,000
Ontario	8,500	7,000	8,300	6,600	66	64	547,800	422,400
Orange	1/	300	1/	200	1/	50	1/	10,000
Orleans	3,900	3,700	3,800	3,600	54	69	205,200	248,400
Oswego	1,400	1,300	1,200	1,000	69	50	82,800	50,000
Otsego	3,200	2,900	3,000	2,200	57	51	171,000	112,200
Putnam	1/	-	1/	-	1/	-	1/	-
Rensselaer	1,300	1,100	900	700	56	47	50,400	32,900
Rockland	1/	-	1/	-	1/	-	1/	-
St. Lawrence	4,200	3,600	1,900	1,400	57	53	108,300	74,200
Saratoga	1,300	1,200	800	800	47	54	37,600	43,200
Schenectady	200	1/	100	1/	57	1/	5,700	1/
Schoharie	2,000	1,600	400	500	57	59	22,800	29,500
Schuyler	2,200	1,700	1,800	1,500	52	59	93,600	88,500
Seneca	9,400	7,600	8,900	7,500	53	68	471,700	510,000
Steuben	19,300	16,300	17,100	14,500	57	63	974,700	913,500
Suffolk	1,200	1,000	200	100	53	52	10,600	5,200
Sullivan	1/	-	1/	-	1/	-	1/	-
Tioga	3,300	2,700	3,000	2,200	52	53	156,000	116,600
Tompkins	4,000	3,500	3,700	3,100	62	63	229,400	195,300
Ulster	1/	1/	1/	1/	1/	1/	1/	1/
Warren	-	-	-	-	-	-	-	-
Washington	1,200	1,100	300	500	45	62	13,500	31,000
Wayne	5,400	4,300	5,200	4,200	62	55	322,400	231,000
Westchester	1/	-	1/	-	1/	-	1/	-
Wyoming	6,300	6,100	6,100	5,200	54	63	329,400	327,600
Yates	3,000	3,100	2,800	2,900	63	70	176,400	203,000
Other Counties	700	900	400	700	61	53	24,400	37,400
TOTAL	180,000	160,000	155,000	135,000	59	61	9,145,000	8,235,000

1/ Included in Other Counties.

Table 120. WHEAT: Acreage, Yield, and Production, by County, 1989-1990

County	Planted		Harvested		Yield		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	Acres		Acres		Bushels		Bushels	
Albany	1/	1/	1/	1/	1/	1/	1/	1/
Allegany	400	300	300	200	32	43	9,600	8,600
Broome	1/	-	1/	-	1/	-	1/	-
Cattaraugus	1/	1/	1/	1/	1/	1/	1/	1/
Cayuga	8,800	10,700	8,600	10,300	46	493	95,600	505,200
Chautauqua	1/	1/	1/	1/	1/	1/	1/	1/
Chemung	1/	1/	1/	1/	1/	1/	1/	1/
Chenango	1/	1/	1/	1/	1/	1/	1/	1/
Clinton	-	-	-	-	-	-	-	-
Columbia	1,500	1,100	1,300	1,100	32	41	41,600	45,100
Cortland	1/	1/	1/	1/	1/	1/	1/	1/
Delaware	1/	-	1/	-	1/	-	1/	-
Dutchess	1/	-	1/	-	1/	-	1/	-
Erie	1,900	2,300	1,700	2,200	42	44	71,400	96,800
Essex	300	1/	300	1/	35	1/	10,500	1/
Franklin	-	1/	-	1/	-	1/	-	1/
Fulton	1/	-	1/	-	1/	-	1/	-
Genesee	13,000	14,700	12,800	14,400	50	54	639,500	777,000
Greene	1/	-	1/	-	1/	-	1/	-
Hamilton	-	-	-	-	-	-	-	-
Herkimer	1/	1/	1/	1/	1/	1/	1/	1/
Jefferson	1,000	800	900	600	36	41	32,400	24,600
Lewis	1/	1/	1/	1/	1/	1/	1/	1/
Livingston	15,800	17,300	15,500	17,000	45	53	696,900	900,500
Madison	600	300	500	300	39	43	19,500	12,900
Monroe	12,100	15,800	11,900	15,500	43	44	511,700	682,000
Montgomery	300	400	200	300	33	38	6,600	11,400
Nassau	-	-	-	-	-	-	-	-
Niagara	11,600	13,700	11,300	13,200	42	48	474,600	633,600
Oneida	1,100	900	900	700	34	43	30,600	30,100
Onondaga	6,400	5,800	6,100	5,700	45	44	274,500	250,900
Ontario	12,700	14,200	12,200	14,000	48	53	585,600	741,500
Orange	1	1/	1/	1/	1/	1/	1/	1/
Orleans	11,600	00	11,400	14,200	43	50	490,200	709,800
Oswego	600	500	500	400	43	43	21,500	17,200
Otsego	1/	-	1/	-	1/	-	1/	-
Putnam	1/	-	1/	-	1/	-	1/	-
Rensselaer	200	1/	200	1/	34	1/	6,800	1/
Rockland	1/	-	1/	-	1/	-	1/	-
St.Lawrence	1/	1/	1/	1/	1/	1/	1/	1/
Saratoga	1/	300	1/	100	1/	38	1/	3,800
Schenectady	1/	-	1/	-	1/	-	1/	-
Schoharie	1/	-	1/	-	1/	-	1/	-
Schuyler	1,300	1,000	1,100	1,000	39	42	42,900	42,000
Seneca	11,500	13,200	11,100	13,000	49	50	543,900	650,000
Steuben	1,700	1,500	1,600	1,300	37	40	59,200	52,000
Suffolk	400	700	300	500	41	37	12,300	18,500
Sullivan	1/	-	1/	-	1/	-	1/	-
Tioga	1/	1/	1/	1/	1/	1/	1/	1/
Tompkins	3,400	3,300	3,300	2,900	48	52	158,400	150,800
Ulster	1/	1/	1/	1/	1/	1/	1/	1/
Warren	-	-	-	-	-	-	-	-
Washington	300	400	300	400	33	44	9,900	17,600
Wayne	5,600	5,700	5,400	5,600	49	43	264,600	240,800
Westchester	1/	-	1/	-	1/	-	1/	-
Wyoming	3,700	3,200	3,600	3,100	42	48	151,200	148,800
Yates	5,000	5,300	4,900	5,100	45	50	220,500	255,000
Other Counties	2,200	2,200	1,800	1,900	38	41	68,000	78,500
TOTAL	135,000	150,000	130,000	145,000	45	49	5,850,000	7,105,000

1/ Included in Other Counties.

Table 121. CATTLE: Number on Farms, by County, January 1, 1990 and 1991

County	All cattle and calves		Milk cows		Beef cows	
	1990	1991	1990	1991	1990	1991
	Number					
Albany	10,500	9,000	2,600	2,200	1,300	1,100
Allegany	28,500	27,500	14,000	12,500	2,200	2,100
Broome	22,500	23,000	10,500	9,800	1,900	1,900
Cattaraugus	47,500	48,000	25,000	23,500	2,500	2,100
Cayuga	49,000	49,000	23,000	23,000	2,800	2,500
Chautauqua	55,000	53,000	26,000	25,000	3,600	3,000
Chemung	9,800	9,500	4,400	4,200	700	700
Chenango	47,500	49,000	26,000	25,500	2,000	2,000
Clinton	37,000	37,000	21,000	20,500	700	600
Columbia	23,500	23,500	11,000	11,500	1,900	1,900
Cortland	37,500	38,000	20,500	20,000	900	800
Delaware	45,500	45,000	25,500	24,500	1,700	1,700
Dutchess	18,500	18,000	7,600	6,800	2,800	2,600
Erie	32,500	32,000	17,500	17,000	1,500	1,200
Essex	7,300	7,100	3,400	2,900	400	400
Franklin	35,000	36,000	20,500	20,000	300	300
Fulton	7,700	7,500	4,100	3,800	300	300
Genesee	37,000	40,000	18,000	20,000	1,100	1,000
Greene	6,600	6,000	2,700	2,500	800	700
Hamilton	1/	1/	1/	1/	1/	1/
Herkimer	39,500	41,000	23,500	23,000	900	1,000
Jefferson	69,000	70,000	39,000	37,500	1,900	1,800
Lewis	51,000	53,000	30,500	31,500	500	500
Livingston	35,000	37,500	16,000	17,500	1,800	1,600
Madison	56,000	58,000	30,000	32,000	1,400	1,300
Monroe	11,000	11,000	4,600	4,500	800	700
Montgomery	35,500	37,000	20,500	19,500	800	800
Nassau	1/	1/	1/	1/	1/	1/
Niagara	17,000	17,000	7,200	6,800	1,900	1,700
Oneida	62,000	61,000	33,000	32,000	1,700	1,600
Onondoga	35,000	34,000	18,000	17,000	1,400	1,300
Ontario	26,000	27,000	11,000	11,500	2,500	2,300
Orange	20,500	20,000	11,500	11,000	1,000	700
Orleans	14,000	14,000	4,800	4,600	1,100	1,000
Oswego	19,500	19,500	9,300	8,700	1,500	1,500
Otsego	51,000	52,000	28,000	27,500	1,900	1,900
Putnam	1/	1/	1/	1/	1/	1/
Rensselaer	18,500	18,000	9,200	8,800	1,400	1,300
Rockland	1/	1/	1/	1/	1/	1/
St. Lawrence	85,000	87,000	45,000	44,000	2,400	2,200
Saratoga	13,500	13,000	6,400	6,200	900	800
Schenectady	1,800	1,600	900	800	400	300
Schoharie	24,500	23,000	12,500	11,000	1,300	1,200
Schuyler	9,200	8,500	4,000	3,800	1,000	900
Seneca	12,500	13,500	5,100	5,700	1,200	1,100
Steuben	54,000	55,000	25,000	25,000	4,800	4,700
Suffolk	1/	1/	1/	1/	1/	1/
Sullivan	11,000	10,500	5,600	5,100	800	800
Tioga	25,500	23,500	13,000	12,000	1,500	1,400
Tompkins	21,000	20,500	9,900	9,500	1,100	1,100
Ulster	7,500	7,500	2,100	1,800	1,600	1,600
Warren	1/	1/	1/	1/	1/	1/
Washington	57,000	57,000	30,500	29,000	1,800	1,800
Wayne	19,500	19,000	8,300	8,000	1,400	1,400
Westchester	1/	1/	1/	1/	1/	1/
Wyoming	62,000	65,000	35,500	37,000	1,400	1,400
Yates	15,000	15,500	5,900	6,800	900	900
Other Counties	2,100	1,800	900	700	600	500
TOTAL	1,540,000	1,550,000	790,000	775,000	75,000	70,000

1/ Included in Other Counties.

Table 122. MILK: Cows and Production, by County, 1988 and 1989

County	Annual average milk cows		Average production per cow		Total milk production	
	1988	1989	1988	1989	1988	1989
	Number		Pounds		Thousand pounds	
Albany	2,600	2,600	13,500	13,100	35,100	34,100
Allegany	13,000	12,500	14,600	14,100	189,800	176,200
Broome	10,000	9,900	14,400	14,000	144,000	138,600
Cattaraugus	24,000	23,500	14,200	13,900	340,800	326,600
Cayuga	24,000	23,000	14,700	15,100	352,800	347,300
Chautauqua	25,000	25,000	14,200	13,900	355,000	347,500
Chemung	4,300	4,300	14,400	13,700	61,900	58,900
Chenango	27,500	26,000	14,300	14,200	393,200	369,200
Clinton	20,000	20,500	13,800	13,500	276,000	276,700
Columbia	12,000	11,000	14,300	14,400	171,600	158,400
Cortland	20,500	20,000	14,500	14,400	297,200	288,000
Delaware	25,000	25,000	14,400	14,100	360,000	352,500
Dutchess	7,000	6,900	14,200	13,900	99,400	95,900
Erie	17,000	17,500	14,600	14,600	248,200	255,500
Essex	3,300	3,200	13,900	13,400	45,900	42,900
Franklin	20,500	20,000	14,000	13,700	287,000	274,000
Fulton	4,300	3,900	13,900	13,400	59,800	52,300
Genesee	19,000	18,500	15,000	15,700	285,000	290,400
Greene	2,600	2,500	13,500	13,300	35,100	33,200
Hamilton	1/	1/	1/	1/	1/	1/
Herkimer	25,500	23,000	14,400	14,300	367,200	328,900
Jefferson	38,500	38,500	14,000	13,300	539,000	512,000
Lewis	31,500	30,500	14,400	14,000	453,600	427,000
Livingston	17,000	16,500	15,100	15,800	256,700	260,700
Madison	31,500	30,500	14,400	14,300	453,600	436,100
Monroe	4,700	4,600	14,100	13,700	66,300	63,000
Montgomery	19,500	19,500	14,100	13,900	275,000	271,000
Nassau	1/	1/	1/	1/	1/	1/
Niagara	6,900	6,800	14,000	13,500	96,600	91,800
Oneida	32,500	32,500	14,200	13,900	461,500	451,800
Onondaga	17,500	17,000	14,900	14,700	260,800	249,900
Ontario	11,500	10,500	15,800	15,600	181,700	163,800
Orange	12,000	11,500	14,400	14,200	172,800	163,300
Orleans	4,800	4,700	14,400	14,200	69,100	66,700
Oswego	9,300	9,200	14,400	13,800	133,900	127,000
Otsego	28,500	27,500	14,600	14,400	416,100	396,000
Putnam	1/	1/	1/	1/	1/	1/
Rensselaer	9,300	9,200	14,100	14,400	131,100	132,500
Rockland	1/	1/	1/	1/	1/	1/
St. Lawrence	44,000	44,000	13,600	13,300	598,400	585,200
Saratoga	7,100	6,400	14,400	13,900	102,200	89,000
Schenectady	800	900	14,500	15,000	11,600	13,500
Schoharie	12,000	11,500	14,000	13,700	168,000	157,500
Schuyler	3,900	3,800	15,000	15,200	58,500	57,800
Seneca	5,800	5,600	14,600	15,400	84,700	86,200
Steuben	25,500	25,000	14,600	14,400	372,300	360,000
Suffolk	1/	1/	1/	1/	1/	1/
Sullivan	5,500	5,200	14,100	13,700	77,600	71,200
Tioga	12,500	12,000	14,600	14,700	182,500	176,400
Tompkins	10,000	9,800	15,500	15,400	155,000	150,900
Ulster	2,200	2,100	13,400	13,100	29,500	27,500
Warren	1/	1/	1/	1/	1/	1/
Washington	29,500	29,500	14,400	14,100	424,800	416,000
Wayne	8,400	8,200	14,500	14,800	121,800	121,400
Westchester	1/	1/	1/	1/	1/	1/
Wyoming	37,000	36,500	15,300	15,800	566,100	576,700
Yates	6,800	6,800	15,500	16,100	105,400	109,500
Other Counties	900	900	14,200	13,900	12,800	12,500
TOTAL	794,000	776,000	14,413	14,267	11,444,000	11,071,000

1/ Included in Other Counties.

New York

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